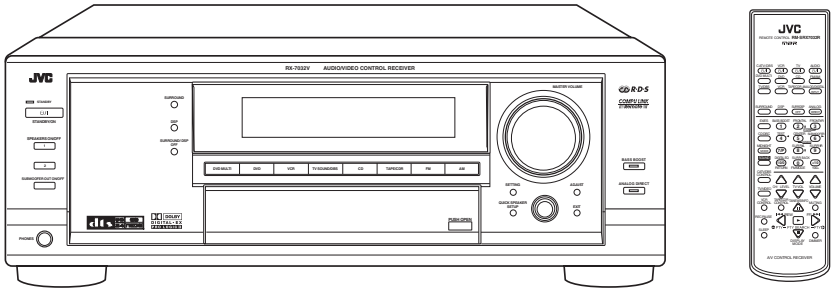
JVC

SERVICE MANUAL

AUDIO/VIDEO CONTROL RECEIVER

RX-7032VSL



DOLBY DIGITAL • EX PRO LOGIC II

R·D·S

dts 96 24 ES NEO:6

COMPU LINK Remote

Area Suffix

E----------Continental Europe
EN----------Northern Europe
EV----------Eastern Europe

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No.MB003
2003/8

SPECIFICATION

Amplifier	Output Power	At Stereo operation		Front ch	100 W per channel, min. RMS, driven into 8 Ω at 1 kHz, with no more than 0.8% total harmonic distortion (IEC268-3/DIN).
		At Surround operation		Front ch	100 W per channel, min. RMS, driven into 8 Ω at 1 kHz, with no more than 0.8% total harmonic distortion.
				Center ch	100 W, min. RMS, driven into 8 Ω at 1 kHz, with no more than 0.8% total harmonic distortion.
				Surround ch	100 W per channel, min. RMS, driven into 8 Ω at 1 kHz, with no more than 0.8% total harmonic distortion.
				Surround Back ch	100 W, min. RMS, driven into 8 Ω at 1 kHz, with no more than 0.8% total harmonic distortion.
Audio	Audio Input Sensitivity/ Impedance (1 kHz)	DVD IN, VCR IN, TV SOUND/DBS IN			200 mV/47 kΩ
		CD IN, TAPE/CDR IN			200 mV/47 kΩ
	Audio Input (DIGITAL IN)*	Coaxial	DIGITAL 1 (DVD)		0.5 V(p-p)/75 Ω
		Optical	DIGITAL 2 (CD), DIGITAL 3 (TV), DIGITAL 4 (CDR)		-21 dBm to -15 dBm (660 nm ±30 nm)
	* Corresponding to Linear PCM, Dolby Digital, and DTS Digital Surround (with sampling frequency-32 kHz, 44.1 kHz, 48 kHz).				
	Audio Output Level	SUBWOOFER OUT			1 V
	Recording Output Level	VCR OUT, TAPE/CDR OUT			200 mV
	Digital output	Optical			DIGITAL OUT
	Signal wave length				660 nm
	Output level				-21 dBm to -15 dBm
	Signal-to-Noise Ratio (‘66 IHF/DIN)	DVD IN, VCR IN, TV SOUND/DBS IN			87 dB/67 dB
		CD IN, TAPE/CDR IN			87 dB/67 dB
Frequency Response (8 Ω)	DVD IN, VCR IN, TV SOUND/DBS IN				20 Hz to 100 kHz (+1 dB, -3 dB)
	CD IN, TAPE/CDR IN				20 Hz to 100 kHz (+1 dB, -3 dB)
	Equalization (5 bands)				63 Hz, 250 Hz, 1 kHz, 4 kHz, 16 kHz (±8 dB)
	Bass boost				+6 dB ±1.0 dB at 100 Hz
Video	Video Input Sensitivity /Impedance	Composite video	DVD IN, VCR IN, TV SOUND/DBS IN:		1 V(p-p)/75 Ω
		S-video	DVD IN, VCR IN, TV SOUND/DBS IN	(Y: luminance)	1 V(p-p)/75 Ω
				(C: chrominance, burst)	0.286 V(p-p)/75 Ω
	Video Output Level	Composite video	VCR OUT, MONITOR OUT		1 V(p-p)/75 Ω
		S-video	VCR OUT, MONITOR OUT	(Y: luminance)	1 V(p-p)/75 Ω
				(C: chrominance, burst)	0.286 V(p-p)/75 Ω
	Synchronization				Negative
	Signal-to-Noise Ratio				45 dB

FM tuner (IHF)	Tuning Range		87.50 MHz to 108.00 MHz
	Usable Sensitivity	Monaural	17.0 dBf (1.9 μV/75 Ω)
	50 dB Quieting Sensitivity	Monaural	21.3 dBf (3.2 μV/75)
	Stereo		41.3 dBf (31.8 μV/75)
	Stereo Separation at REC OUT		35 dB at 1 kHz
AM (MW) tuner	Tuning Range		522 kHz to 1 629 kHz
General	Power Requirements		AC 230V , 50 Hz
	Power Consumption		250 W (at operation) 2 W (in standby mode)
	Dimensions (W × H × D)		435 mm × 157 mm × 425 mm
	Mass		12.1 kg

Designs & specifications are subject to change without notice

SECTION 1
PRECAUTION

1.1 Safety Precautions

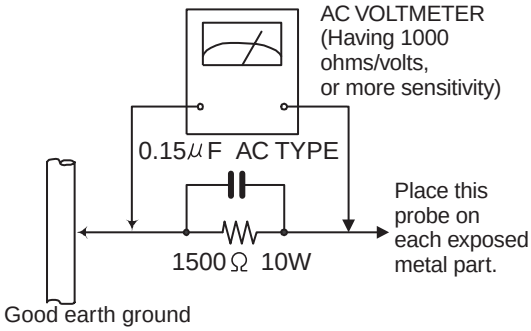
(1) This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturers warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (⚠) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.

(4) The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after reassembling.

(5) Leakage shock hazard testing
After reassembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.Do not use a line isolation transformer during this check.
- Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal parts of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.).
- Alternate check method
  Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000Ω per volt or more sensitivity in the following manner. Connect a 1,500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground.
  Measure the AC voltage across the resistor with the AC voltmeter.
  Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Voltage measured any must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5μ mA AC (r.m.s.).



1.2 Warning

(1) This equipment has been designed and manufactured to meet international safety standards.
(2) It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
(3) Repairs must be made in accordance with the relevant safety standards.
(4) It is essential that safety critical components are replaced by approved parts.
(5) If mains voltage selector is provided, check setting for local voltage.

1.3 Caution

Burrs formed during molding may be left over on some parts of the chassis.
Therefore, pay attention to such burrs in the case of preforming repair of this system.

1.4 Critical parts for safety

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (▬), diode (▮) and ICP (●) or identified by the " ⚠ " mark nearby are critical for safety. When replacing them, be sure to use the parts of the same type and rating as specified by the manufacturer.
(This regulation dose not Except the J and C version)

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

This service manual does not describe SPECIFIC SERVICE INSUTRUCTIONS.

SECTION 3
DISASSEMBLY

3.1 Removing the top cover (See Fig.1)

(1) From the right and left sides of the main body, remove the four screws **A** attaching the top cover.
(2) From the back side of the main body, remove the three screws **B** attaching the top cover.
(3) Remove the top cover in the direction of the arrow 2 while extending the lower sections of the top cover in the direction of the arrow 1.

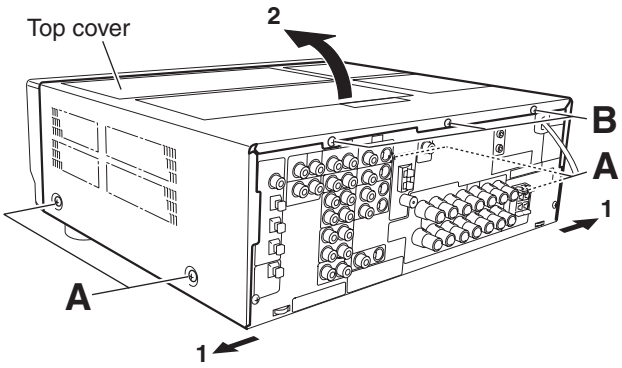


Fig.1

3.2 Removing the front panel assembly (See Figs.2 and 3)

- Prior to performing the following procedures, remove the top cover.

(1) Disconnect the card wire from the connector CN400 on the micon board. (See Fig.2.)
(2) Disconnect the card wire from the connector CN402 on the power supply board. (See Fig.2.)
(3) Remove the tie band and wire protection board fixing the card wire. (See Fig.2.)
(4) Remove the three screws **C** attaching the front panel assembly. (See Fig.2.)
(5) From the bottom side of the main body, remove the four screws **D** attaching the front panel assembly. (See Fig.3.)
(6) Remove the front panel assembly in the direction of the arrow. (See Fig.3.)

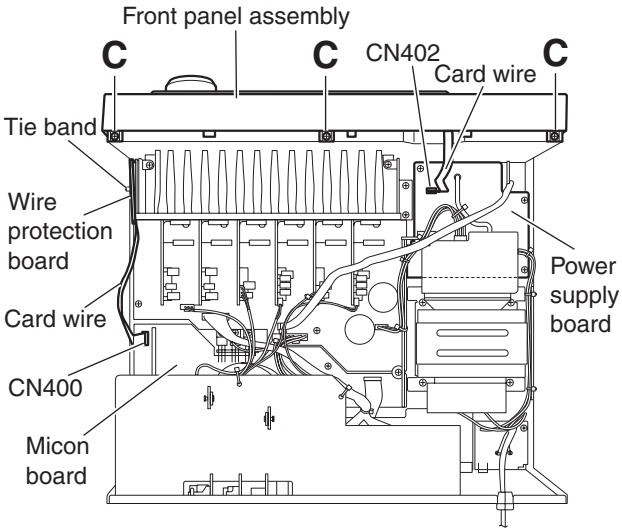


Fig.2

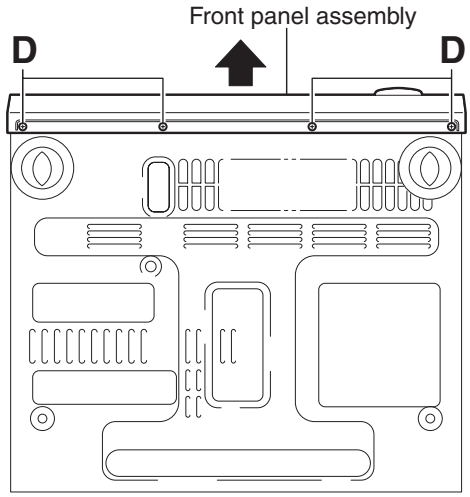


Fig.3

3.3 Removing the rear panel (See Fig.4)

- Prior to performing the following procedures, remove the top cover.
  (1) From the back side of the main body, remove the strain relief from the rear panel in the direction of the arrow.
  (2) Remove the twenty-six screws **E**, two screws **F** and three screws **G** attaching the rear panel.

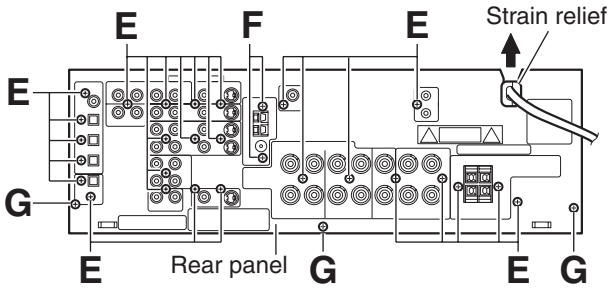


Fig.4

3.4 Removing the I/O board (See Fig.5)

- Prior to performing the following procedures, remove the top cover and rear panel.
  (1) Remove the two plastic rivets in the direction of the arrow 1 from the top side of the main body, remove the stopper boards in the direction of the arrow 2.
  (2) Remove the tie bands bundling the wires.
  (3) Disconnect the wire from the connector CN722 on the center board.
  (4) Disconnect the wire from the connector CN714 on the front board(L).
  (5) Disconnect the wire from the connector CN717 on the surround back board.
  (6) Disconnect the wire from the connector CN719 on the front board(R).
  (7) Disconnect the wire from the connector CN723 on the main board.
  (8) Disconnect the connectors (CN205,CN381,CN501) on the I/O board in an upward direction.

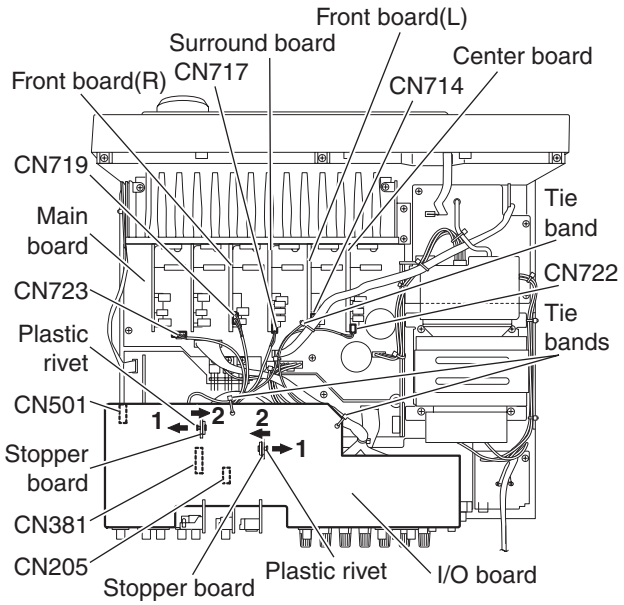


Fig.5

3.5 Removing the tuner, DSP board, audio board, video board and S-video board (See Fig.6)

- Prior to performing the following procedures, remove the top cover, rear panel and I/O board.
  (1) Disconnect the card wire from the connector CN314 on the audio board from the top side of the main body, take out the tuner.
  (2) Disconnect the DSP board from the connector CN601 on the micon board.
  (3) Disconnect the audio board from the connectors (CN101,CN303) on the micon board.
  (4) Disconnect the video board from the connector CN201 on the micon board.
  (5) Disconnect the S-video board from the connector CN241 on the micon board.

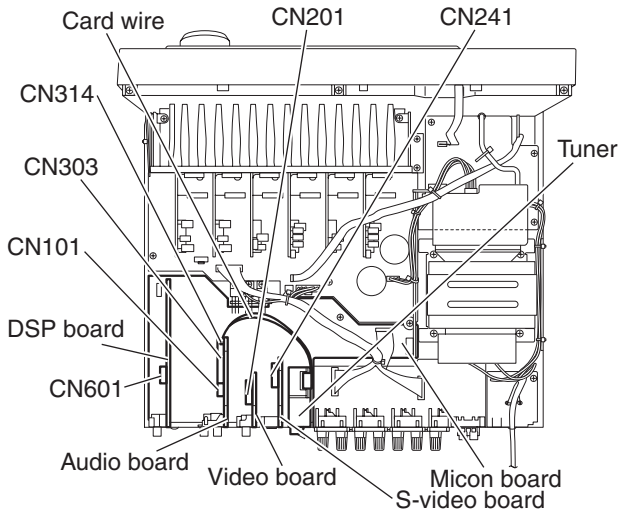


Fig.6

3.6 Removing the micon board (See Fig.7)

- Prior to performing the following procedures, remove the top cover, rear panel, I/O board, tuner, DSP board, audio board, video board and S-video board.
  (1) From the top side of the main body, disconnect the card wire from the connector CN400 on the micon board.
  (2) Disconnect the relay board from the connectors CN81 on the micon board.
  (3) Disconnect the parallel wire from the connectors CN931 and CN932 on the micon board.
  (4) Disconnect the parallel wire from the connector CN831 on the main board.
  (5) Remove the three screws **H** attaching the micon board.
  (6) Remove the three screws **J** attaching the transistors (Q921,Q931,Q941) to the chassis base.
  (7) Loosen the screw **K** attaching the micon board.

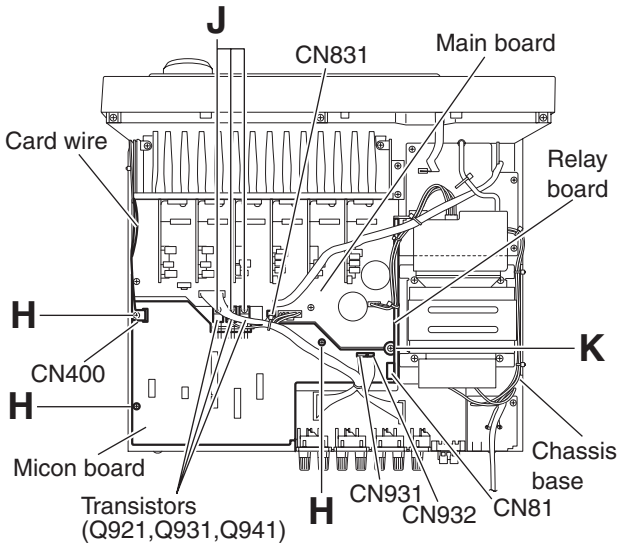


Fig.7

3.7 Removing the speaker board (See Fig.8)

- Prior to performing the following procedures, remove the top cover and rear panel.
  (1) From the top side of the main body, remove the tie band bundling the wires.
  (2) Disconnect the wires from the connectors (CN813,CN814) on the main board.
  (3) Disconnect the parallel wire from the connectors (CN931,CN932) on the micon board.
  (4) Take out the speaker board in the direction of the arrow.

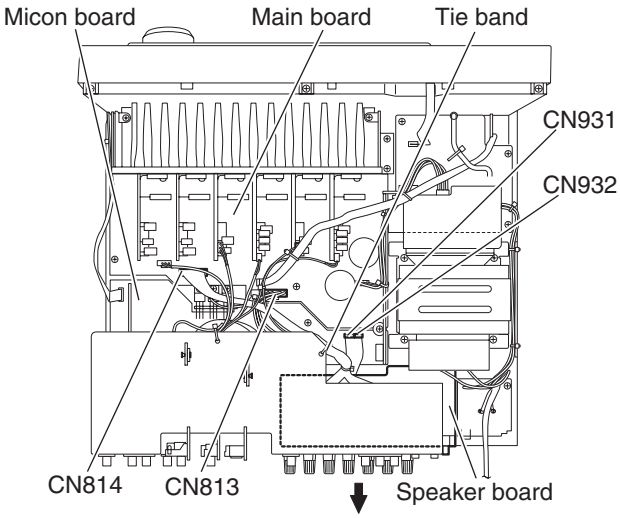


Fig.8

3.8 Removing the main board (See Fig.9)

- Prior to performing the following procedures, remove the top cover.
  (1) From the top side of the main body, remove the tie bands bundling the wires.
  (2) Remove the tie band and wire protection board bundling the card wire.
  (3) Disconnect the wire from the connector CN811 on the power transformer board 1.
  (4) Disconnect the relay board from the connectors (CN71, CN81) on the power supply board and micon board.
  (5) Disconnect the parallel wires from the connectors (CN831,CN881) on the main board.
  (6) Disconnect the wires from the connectors (CN723,CN813,CN814) on the main board.
  (7) Disconnect the wire from the connector CN722 on the center board.
  (8) Disconnect the wire from the connector CN714 on the front board(L).
  (9) Disconnect the wire from the connector CN717 on the surround back board.
  (10) Disconnect the wire from the connector CN719 on the front board(R).
  (11) Remove the screw **K**, five screws **L**, screw **M** and two screws **N** attaching the main board.
  (12) Take out the main board.

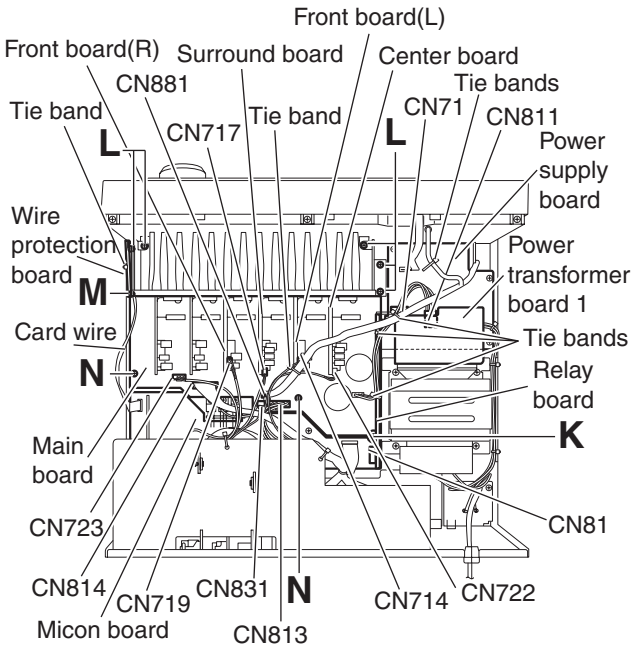


Fig.9

3.9 Removing the heat sink (See Figs.10 and 11)

- Prior to performing the following procedures, remove the top cover and main board.
  (1) From the reverse side of the main board, remove the two screws P attaching the main board to the heat sink. (See Fig.10.)
  (2) Disconnect the connectors (CN701-CN706) on the main board, remove the main board. (See Fig.10.)
  (3) Remove the twelve screws **Q** attaching the heat sink. (See Fig.11.)

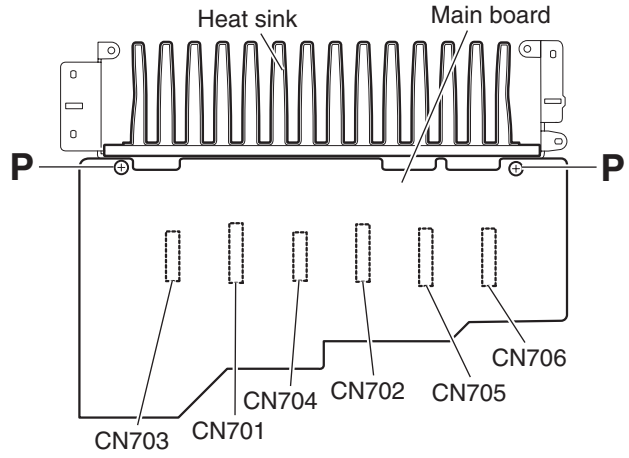


Fig.10

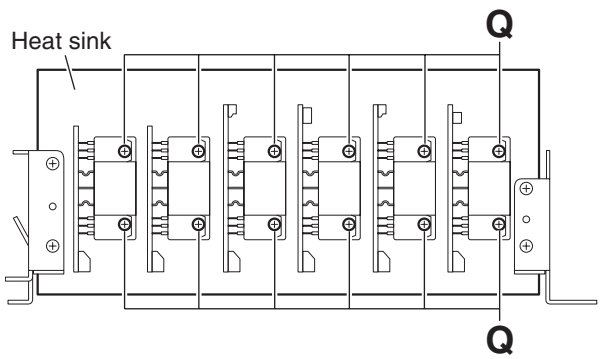


Fig.11

3.10 Removing the center board, surround back board, front amp. boards (L/R) and rear amp. boards (L/R) (See Figs.10 and 12)

- Prior to performing the following procedures, remove the top cover and main board.
  (1) From the reverse side of the main board, remove the two screws **P** attaching the main board to the heat sink. (See Fig.10.)
  (2) Disconnect the connectors (CN701-CN706) on the main board, remove the main board. (See Fig.10.)
  (3) Remove the two screws **Q** attaching the center board. (See Fig.12.)
  (4) Remove the two screws **Q** attaching the front board(L). (See Fig.12.)
  (5) Remove the two screws **Q** attaching the surround back board. (See Fig.12.)
  (6) Remove the two screws **Q** attaching the front board(R). (See Fig.12.)
  (7) Remove the two screws **Q** attaching the surround board(L). (See Fig.12.)
  (8) Remove the two screws **Q** attaching the surround board(R). (See Fig.12.)

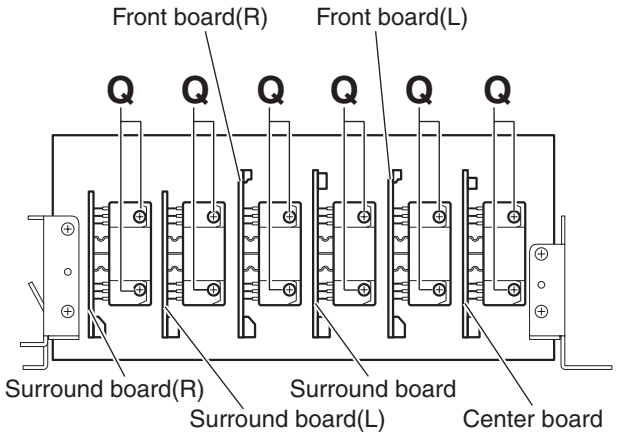


Fig.12

3.11 Removing the power transformer (See Fig.13)

- Prior to performing the following procedures, remove the top cover.
  (1) From the top side of the main body, remove the tie band bundling the wires.
  (2) Disconnect the wire from the connectors (CN55,CN811) on the power transformer board 1.
  (3) Remove the solders from the soldered sections **a** on the power transformer board 1.
  (4) Remove the solders from the soldered sections **b** on the power transformer board 2.
  (5) Remove the four screws **R** attaching the power transformer.

3.12 Removing the power/fuse board (See Fig.13)

- Prior to performing the following procedures, remove the top cover.
  (1) From the back and top sides of the main body, remove the screw **S** and screw T attaching the power/fuse board.
  (2) Remove the solders from the soldered sections **c** attaching the power cord.
  (3) From the reverse side of the power/fuse board, remove the solders from the soldered sections **d** attaching the wires.

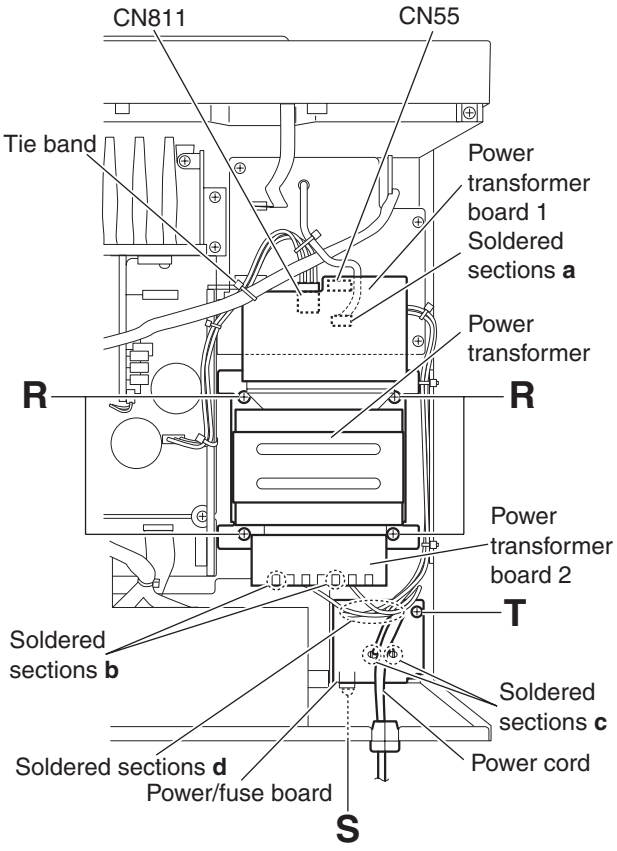


Fig.13

3.13 Removing the power supply board (See Fig.14)

- Prior to performing the following procedures, remove the top cover.
  (1) From the top side of the main body, disconnect the parallel wires from the connector CN55 on the power transformer board 1.
  (2) Disconnect the card wire from the connector CN402 on the power supply board.
  (3) Disconnect the relay board from the connector CN71 on the power supply board.
  (4) Remove the three screws **U** attaching the power supply board.
  (5) Remove the power supply board from the hook e of the chassis base bracket in the direction of the arrow, take out the power supply board.
  (6) Turn over the power supply board, remove the solders from the soldered sections **f** attaching the wires.

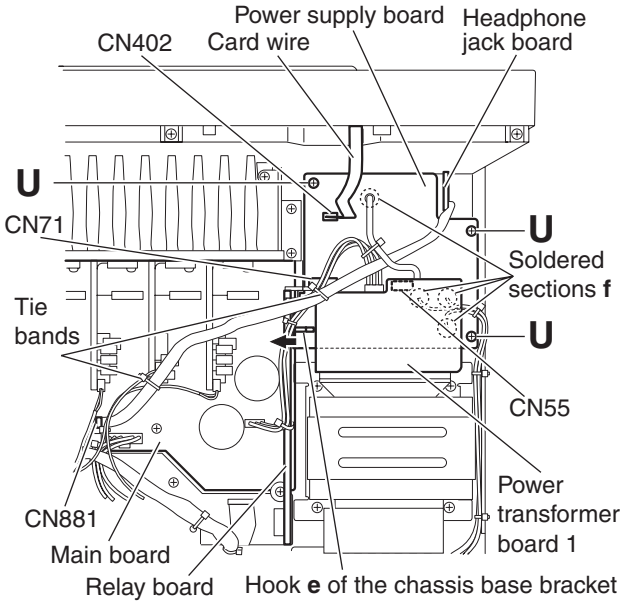


Fig.14

3.14 Removing the headphone jack board (See Figs.14 and 15)

- Prior to performing the following procedures, remove the top cover and front panel assembly.
  (1) From the top side of the main body, remove the tie bands attaching the parallel wire. (See Fig.14.)
  (2) Disconnect the parallel wire from the connector CN881 on the main board. (See Fig.14.)
  (3) From the front side of the main body, remove the nut and screw **V** attaching the headphone bracket to the front bracket. (See Fig.15.)
  (4) Remove the three screws **U** attaching the power supply board. (See Fig.14.)
  (5) Take out the headphone jack board from the inside of the chassis base while lifting the power supply board.

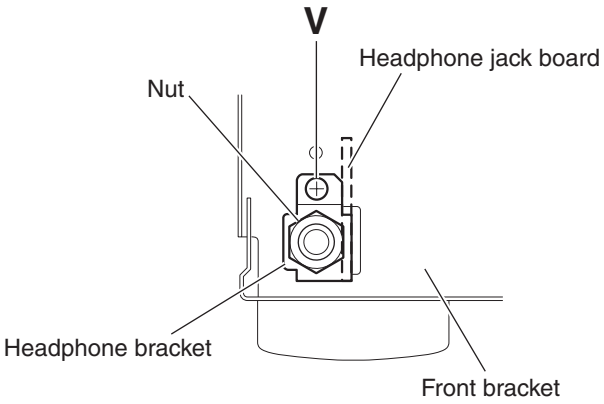


Fig.15

3.15 Removing the switch board (See Fig.16)

- Prior to performing the following procedures, remove the top cover and front panel assembly.
  (1) From the back side of the front panel assembly, remove the two screws **W** attaching the switch board.
  (2) Take out the switch board, disconnect the wire from the connector CN432 on the switch board.

3.16 Removing the power switch board (See Fig.16)

- Prior to performing the following procedures, remove the top cover and front panel assembly.
  (1) From the back side of the front panel assembly, remove the two screws **X** attaching the power switch board.
  (2) Take out the power switch board, disconnect the wire from the connector CN430 on the power switch board.

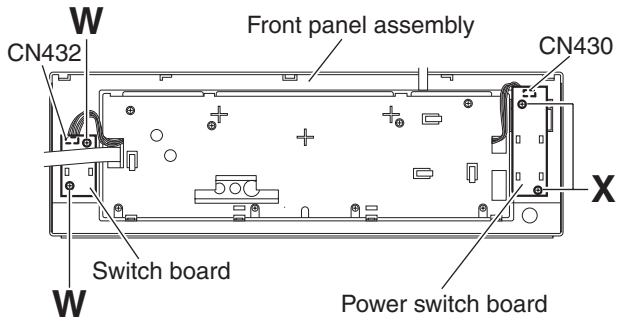


Fig.16

3.17 Removing the front key & system control board (See Figs.17 to 20)

- Prior to performing the following procedures, remove the top cover, front panel assembly, switch board and power switch board.
  (1) Pull out the volume and jog knobs from the front side of the front panel assembly, remove the nut attaching the front key & system control board. (See Fig.17.)
  (2) From the back side of the front panel assembly, remove the eight screws **Y** attaching the sub panel assembly. (See Fig.18.)
  (3) Remove the sub panel assembly while releasing the claws **g** in the direction of the arrow. (See Figs.18 and 19.)
  (4) Release the claws **h** attaching the front key & system control board in the direction of the arrow and take out the front key & system control board. (See Fig.20.)

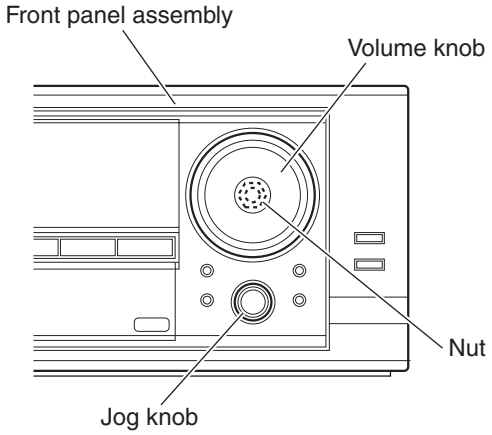


Fig.17

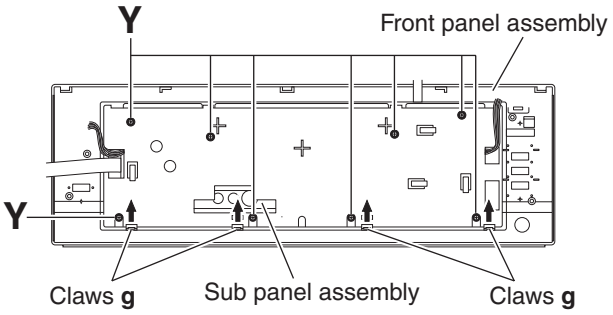


Fig.18

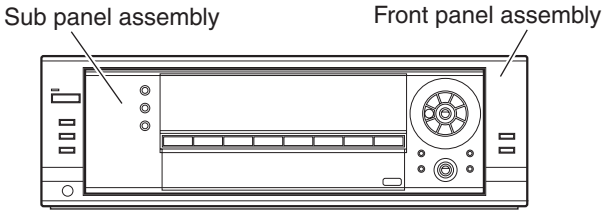


Fig.19

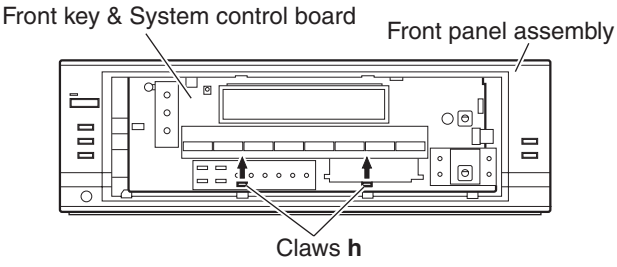


Fig.20

SECTION 4
ADJUSTMENT

4.1 Adjustment method

■ Tuner section

1. Tuner range

FM 87.5MHz to 108.0MHz

AM 530kHz to 1710kHz

■ Power amplifier section

Adjustment of idling current

Measurement location B2204-B2205 (Lch), B2213-B2214 (Rch)

Adjustment part VR787 (Lch), VR788 (Rch)

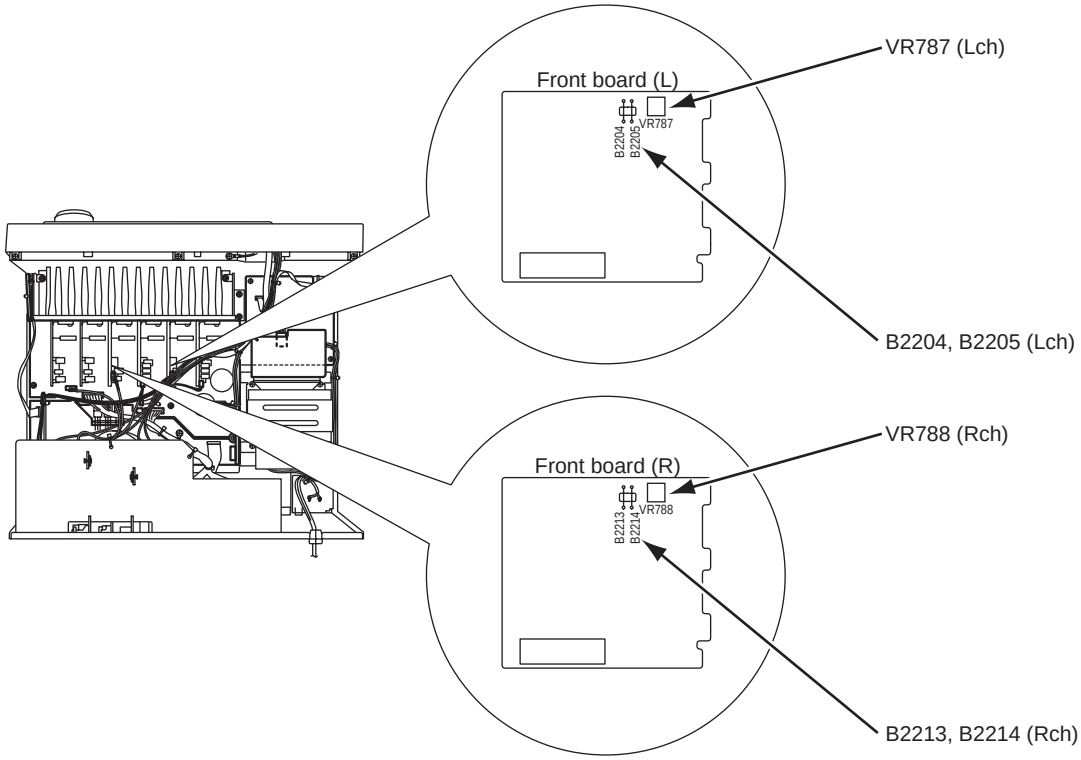
Attention:

This adjustment does not obtain a correct adjustment value immediately after the amplifier is used (state that an internal temperature has risen). Please adjust immediately after using the amplifier after turning off the power supply of the amplifier and falling an internal temperature.

<Adjustment method>

(1) Set the volume control to minimum during this adjustment. (No signal & No load)
(2) Set the surround mode OFF.
(3) Turn VR787 and VR788 fully counterclockwise to warm up before adjustment.
If the heat sink is already warm from previous use the correct adjustment can not be made.
(4) For L-ch, connect a DC voltmeter between B2204 and B2205 (Lch) and, connect it between B2213 and B2214 (Rch).
(5) 30 minutes later after power on, adjust VR787 for Lch, or VR788 for Rch so that the DC voltmeter value has 1mV to 10mV.

- It is not abnormal though the idling current might not become 0mA even if it is finished to turn variable resistance (VR787, VR788) in the direction of counterclockwise.



SECTION 5
TROUBLE SHOOTING

5.1 Self-diagnose function

This model incorporates the following self-diagnostic functions.

1. PROTECTOR

- The PROTECTOR IN port detects errors such as speaker overcurrent and DC voltage output errors (Active: L). Immediately after detection, all relays are switched off and the alarm display as shown below (blinking at intervals of 0.5 sec. ON and 0.5 sec. OFF) is displayed in the lower part of the FL matrix.
  During the alarm display, all other FL and LED segments are turned off.

OVERLOAD

- The overload status can be canceled by switching the power off. When the power is switched on again, the unit is turned on in the same abnormal status as before. Lower the volume level for 10 steps for protection. (If the previous volume level was between 0 and 9, lower it to 0).
- The detection by the protector is not performed for 4 seconds after power on.

2. Supply voltage error detection

- When the power is switched on, the supply voltage at the A/D input port (pins 2 to 5 and 7) is monitored and, when an error is detected continuously for 1 second, the unit immediately enters the standby mode.
- When the power is switched on again, the unit is turned on in the same abnormal status as before.
- The supply voltage error detection is not performed for 4 seconds after power on.
- The following table shows the error detection thresholds.

	At abnormal state (Low voltage)	At normal state	At abnormal state (High voltage)
Pin 2	Analog value : 0 - 2.2 Digital value : 000 - 1C0	Analog value : 2.2 - 2.8 Digital value : 1C1 - 240	Analog value : 2.8 - 5.0 Digital value : 241 - 3FF
Pin 3	Analog value : 0 - 2.2 Digital value : 000 - 1C0	Analog value : 2.2 - 2.8 Digital value : 1C1 - 240	Analog value : 2.8 - 5.0 Digital value : 241 - 3FF
Pin 4	Analog value : 0 - 2.2 Digital value : 000 - 1C0	Analog value : 2.2 - 2.8 Digital value : 1C1 - 240	Analog value : 2.8 - 5.0 Digital value : 241 - 3FF
Pin 5	Analog value : 0 - 2.2 Digital value : 000 - 1C0	Analog value : 2.2 - 2.8 Digital value : 1C1 - 240	Analog value : 2.8 - 5.0 Digital value : 241 - 3FF
Pin 7	Analog value : 0 - 2.2 Digital value : 000 - 1C0	Analog value : 2.2 - 2.8 Digital value : 1C1 - 240	Analog value : 2.8 - 5.0 Digital value : 241 - 3FF

PARTS LIST

[RX-7032VSL]

* All printed circuit boards and its assemblies are not available as service parts.

Area suffix

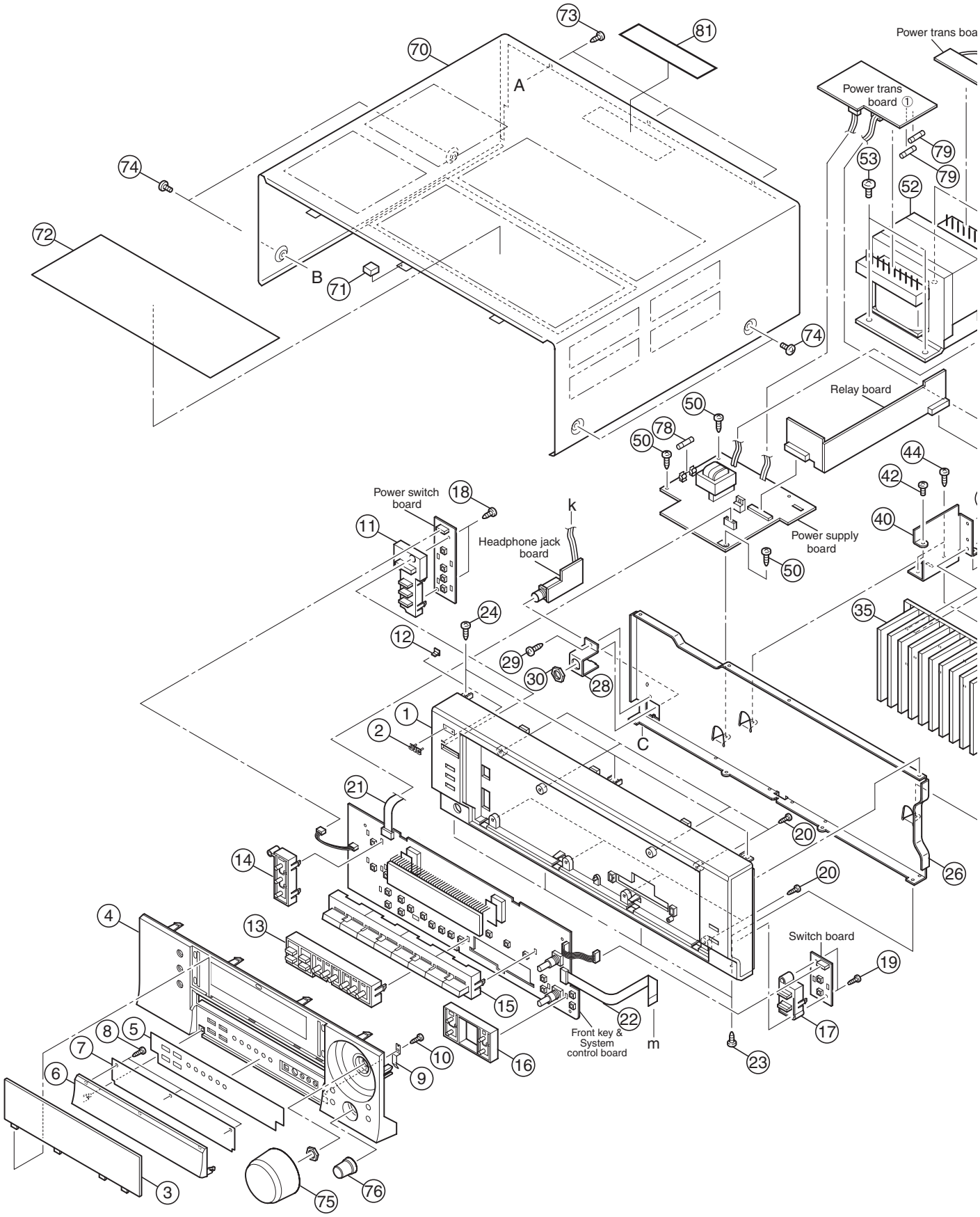
E ---------- Continental Europe
EN ---------- Northern Europe
EV ---------- Eastern Europe

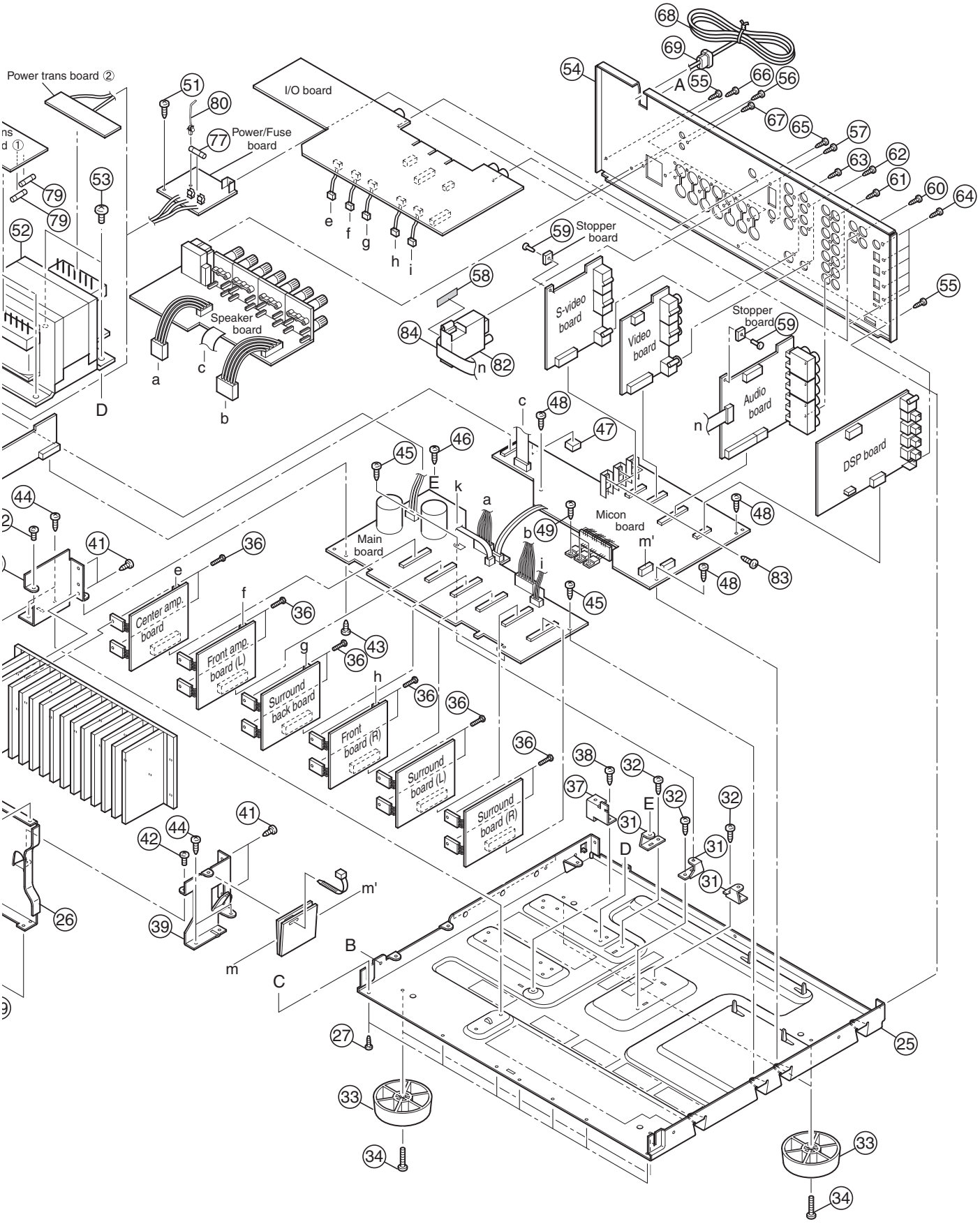
- Contents -

Exploded view of general assembly and parts list (Block No.M1) ---------- 3- 2
Electrical parts list (Block No.01~06) ---------- 3- 5
Packing materials and accessories parts list (Block No.M3) ---------- 3-21

Exploded view of general assembly and parts list

Block No. M 1 M M




Power trans board ②
I/O board
Power/Fuse board
Speaker board
Stopper board
S-video board
Video board
Audio board
DSP board
Micon board
Main board
Center amp. board
Front amp. board (L)
Surround back board
Front board (R)
Surround board (L)
Surround board (R)

General assembly

Block No. [M][1][M][M]

⚠ Symbol No.	Part No.	Part Name	Description	Local
1	LV10469-017A	FRONT PANEL		
2	LV43338-002A	JVC MARK		
3	LV21438-001A	LENS		
4	LV10767-002A	SUB PANEL		
5	LV34032-002A	CONTROL PLATE		
6	LV21437-002A	SEALING DOOR		
7	LV34086-002A	DOOR COVER		
8	QYSPSGU2030N	TAP SCREW	2mm x 3mm(x3)	
9	LV43357-001A	DOOR SPRING		
10	QYSBSF2608Z	TAPPING SCREW	2.6mm x 8mm	
11	LV20939-004A	PUSH BUTTON		
12	LV42096-001A	INDICATOR		
13	LV21442-002A	P.BUTTON(TUNER)		
14	LV21439-002A	P.BUTTON(DSP)		
15	LV21440-002A	P.BUTTON(SOURCE		
16	LV21443-002A	P.BUTTON(ADJUST		
17	LV32486-003A	P.BUTTON ASSY		
18	QYSBSF2610Z	SCREW	2.6mm x 10mm(x2)	
19	QYSBSF2610Z	SCREW	2.6mm x 10mm(x2)	
20	QYSBSF2610Z	SCREW	2.6mm x 10mm(x8)	
21	QUQ412-0517CJ	FFC WIRE		
22	QUQ412-0930DJ	FFC WIRE		
23	QYSDSG3006Z	SCREW	3mm x 6mm(x4)	
24	QYSBSG3006Z	TAPPING SCREW	3mm x 6mm(x3)	
25	LV10019-006A	CHASSIS BASE		
26	LV10471-002A	FRONT BRACKET		
27	QYSDSG3006Z	SCREW	3mm x 6mm(x7)	
28	LV42094-003A	H.P BKT		
29	QYSBSG3006Z	TAPPING SCREW	3mm x 6mm	
30	VKZ4150-001	SPECIAL NUT		
31	E68587-223SM	CB BKT	(x3)	
32	QYSBST3006Z	TAPPING SCREW	M3 x 6mm(x3)	
33	QZF6018-003	FOOT	60mm x 18mm(x4)	
34	QYSBST3010Z	TAPPING SCREW	M3 x 10mm(x4)	
35	LV21444-001A	HEAT SINK		
36	QYSBSG3012E	SCREW	3mm x 12mm(x12)	
37	LV42098-001A	C.B BKT		
38	QYSBST3006Z	TAPPING SCREW	3mm x 6mm	
39	LV32433-001A	H.S BRACKET(R)		
40	LV32434-001A	H.S BRACKET(L)		
41	QYSBSG3008Z	TAPPING SCREW	3mm x 8mm(x4)	
42	QYSBST3006Z	TAPPING SCREW	M3 x 6mm(x2)	
43	QYSBSG3006Z	TAPPING SCREW	3mm x 6mm(x2)	
44	QYSBST3006Z	TAPPING SCREW	M3 x 6mm(x4)	
45	QYSBSG3006Z	TAPPING SCREW	3mm x 6mm(x2)	
46	E65923-003	TAPPING SCREW		
47	LV30225-0B2A	SPACER		
48	QYSBSG3006Z	TAPPING SCREW	3mm x 6mm(x3)	
49	QYSBSG3008M	TAPPING SCREW	3mm x 8mm(x3)	
50	QYSBSG3006Z	TAPPING SCREW	3mm x 6mm(x3)	
51	QYSBSG3006Z	TAPPING SCREW	3mm x 6mm	
⚠ 52	QQT0397-002	POWER TRANSF		
53	QYSDSTL4008Z	ASSY SCREW	M4 x 8mm(x4)	
54	LV10768-013A	REAR PANEL		7032VSLE, 7032VSLEN
54	LV10768-014A	REAR PANEL		7032VSLEV
55	QYSBSGY3008M	SPECIAL SCREW	3mm x 8mm(x3)	
56	QYSBSGY3008M	SPECIAL SCREW	3mm x 8mm	
57	QYSBST3006M	TAPPING SCREW	M3 x 6mm(x2)	
58	LV30225-011A	SPACER		
59	FMYH4004-001	PLASTIC RIVET	(x2)	
60	QYSBSGY3008M	SPECIAL SCREW	3mm x 8mm	
61	QYSBSGY3008M	SPECIAL SCREW	3mm x 8mm(x4)	
62	QYSBSGY3008M	SPECIAL SCREW	3mm x 8mm(x3)	
63	QYSBSGY3008M	SPECIAL SCREW	3mm x 8mm(x3)	
64	QYSBSGY3008M	SPECIAL SCREW	3mm x 8mm(x6)	
65	QYSBSGY3008M	SPECIAL SCREW	3mm x 8mm	
66	QYSBSGY3008M	SPECIAL SCREW	3mm x 8mm(x6)	
67	QYSBSGY3008M	SPECIAL SCREW	3mm x 8mm	
⚠ 68	QMPK250-205-JV	POWER CORD(EU)	2.05m BLACK	
⚠ 69	QZW0033-001	STRAIN RELIEF		
70	LV20038-012A/S/	TOP COVER		
71	LV30225-088A	SPACER		
72	LV30077-006A	PROTECT SHEET		
73	QYSBSGY3008M	SPECIAL SCREW	3mm x 8mm(x3)	
74	E406308-004	SPECIAL SCREW	(x4)	
75	LV43463-002A	VOL KNO ASSY		
76	LV43458-002A	JOG KNOB ASSY		
⚠ 77	QMF51W2-3R15-J8	FUSE	F 1 3.15A AC250V	
⚠ 78	QMF51E2-R10-J1	FUSE	F 2 0.1A AC250V	
⚠ 79	QMF51W2-2R0-J8	FUSE	F 61 F 62 2A AC250V(x2)	
80	E307572-001	FASTENER		
81	E409396-003	CAUTION LABEL		
82	QAU0278-003	TUNER		
83	QYSBSG3008E	TAPPING SCREW	3mm x 8mm(x3)	
84	QUQ412-1124DJ	FFC WIRE		

Electrical parts list

Main board

Block No. [0][1][0][0]

⚠ Symbol No.	Part No.	Part Name	Description	Local
Q811	2SD2395/EF/	TRANTRANSISTOR		
Q812	KTC3200/GL/-T	TRANSISTOR		
Q823	KTC3199/GL/-T	TRANSISTOR		
Q824	KTC3200/GL/-T	TRANSISTOR		
Q825	KTA1268/GL/-T	TRANSISTOR		
Q830	KRC109M-T	DIGI TRANSISTOR		
Q831	KRC109M-T	DIGI TRANSISTOR		
Q832	KRC109M-T	DIGI TRANSISTOR		
Q833	KRC109M-T	DIGI TRANSISTOR		
Q834	KRC109M-T	DIGI TRANSISTOR		
Q835	KRC109M-T	DIGI TRANSISTOR		
Q836	KRC109M-T	DIGI TRANSISTOR		
Q837	KRC109M-T	DIGI TRANSISTOR		
Q838	KRC109M-T	DIGI TRANSISTOR		
Q839	KRC109M-T	DIGI TRANSISTOR		
D801	30DF2-FC	DIODE		
D802	30DF2-FC	DIODE		
D803	30DF2-FC	DIODE		
D804	30DF2-FC	DIODE		
D811	MTZJ22C-T2	Z.DIODE		
D816	MTZJ18C-T2	Z DIODE		
D825	1SS133-T2	DIODE		
D831	1SS133-T2	DIODE		
D832	1SS133-T2	DIODE		
D841	MTZJ5.1C-T2	Z DIODE		
D842	1SS133-T2	DIODE		
D843	1SS133-T2	DIODE		
D844	1SS133-T2	DIODE		
D845	1SS133-T2	DIODE		
D846	1SS133-T2	DIODE		
D847	1SS133-T2	DIODE		
D848	1SS133-T2	DIODE		
D851	1SS133-T2	DIODE		
D852	1SS133-T2	DIODE		
D853	1SS133-T2	DIODE		
D871	1SS133-T2	DIODE		
C454	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C801	QFZ9076-104Z	MM CAPACITOR	0.1uF	
C802	QFZ9076-104Z	MM CAPACITOR	0.1uF	
C805	QFZ9076-104Z	MM CAPACITOR	0.1uF	
C807	QEZ0588-688	E CAPACITOR	6800uF	
C808	QEZ0588-688	E CAPACITOR	6800uF	
C811	QCF31HZ-472Z	C CAPACITOR	4700pF 50V Z	
C816	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C823	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C824	QETN1EM-106Z	E CAPACITOR	10uF 25V M	
C833	QDVB1EZ-223Y	C CAPACITOR	0.022uF 25V Z	
C834	QDVB1EZ-223Y	C CAPACITOR	0.022uF 25V Z	
C835	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J	
C836	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J	
C837	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J	
C838	QFLC1HJ-223Z	M CAPACITOR	0.022uF 50V J	
C839	QDVB1EZ-223Y	C CAPACITOR	0.022uF 25V Z	
C840	QDVB1EZ-223Y	C CAPACITOR	0.022uF 25V Z	
C841	QCS31HJ-221Z	C CAPACITOR	220pF 50V J	
C842	QCS31HJ-221Z	C CAPACITOR	220pF 50V J	
C843	QCS31HJ-221Z	C CAPACITOR	220pF 50V J	
C844	QCS31HJ-221Z	C CAPACITOR	220pF 50V J	
C845	QCS31HJ-221Z	C CAPACITOR	220pF 50V J	
C846	QCS31HJ-221Z	C CAPACITOR	220pF 50V J	
C847	QCS31HJ-221Z	C CAPACITOR	220pF 50V J	
C848	QCS31HJ-221Z	C CAPACITOR	220pF 50V J	
C850	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C851	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C852	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C853	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C881	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C883	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C884	QDGB1HK-102Y	C CAPACITOR	1000pF 50V K	
C885	QFVJ1HJ-473Z	MF CAPACITOR	0.047uF 50V J	
C886	QCS31HJ-221Z	C CAPACITOR	220pF 50V J	
C887	QFVJ1HJ-473Z	MF CAPACITOR	0.047uF 50V J	
C888	QFVJ1HJ-473Z	MF CAPACITOR	0.047uF 50V J	
C889	QCS31HJ-221Z	C CAPACITOR	220pF 50V J	
C890	QCS31HJ-221Z	C CAPACITOR	220pF 50V J	
C891	QCS31HJ-221Z	C CAPACITOR	220pF 50V J	
C892	QCS31HJ-221Z	C CAPACITOR	220pF 50V J	
C893	QCS31HJ-221Z	C CAPACITOR	220pF 50V J	
C894	QCBB1HK-221Y	C CAPACITOR	220pF 50V K	
C895	QFVJ1HJ-473Z	MF CAPACITOR	0.047uF 50V J	
C896	QCS31HJ-221Z	C CAPACITOR	220pF 50V J	
C897	QCS31HJ-221Z	C CAPACITOR	220pF 50V J	
C898	QCBB1HK-103Y	C CAPACITOR	0.01uF 50V K	
C899	QCBB1HK-221Y	C CAPACITOR	220pF 50V K	
R801	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R802	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R811	QRJ146J-120X	UNF C RESISTOR	12Ω 1/4W J	
R812	QRK126J-332X	UNF C RESISTOR	3.3kΩ 1/2W J	
R813	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R814	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R815	QRJ146J-120X	UNF C RESISTOR	12Ω 1/4W J	
R816	QRL027J-332	OMF RESISTOR	3.3kΩ 2W J	
R823	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R824	QRE141J-134Y	C RESISTOR	130kΩ 1/4W J	
R825	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R826	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R831	QRZ9005-330X	FUSI RESISTOR	33Ω	
R832	QRZ9005-330X	FUSI RESISTOR	33Ω	
R833	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R834	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R837	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R838	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R841	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R842	QRE141J-823Y	C RESISTOR	82kΩ 1/4W J	
R843	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R844	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R845	QRE141J-823Y	C RESISTOR	82kΩ 1/4W J	
R846	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R851	QRZ9005-120X	FUSI RESISTOR	12Ω	
R852	QRZ9005-330X	FUSI RESISTOR	33Ω	
R854	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R855	QRJ146J-392X	UNF C RESISTOR	3.9kΩ 1/4W J	
R856	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J	
R857	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J	
R858	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R859	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J	
R860	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J	
R861	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R862	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J	
R863	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J	
R864	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R865	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R866	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R867	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J	
R868	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R869	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J	
R870	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R871	QRZ9005-330X	FUSI RESISTOR	33Ω	
R885	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R886	QRZ9005-120X	FUSI RESISTOR	12Ω	
R887	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R888	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R889	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
L843	QQLZ005-R45	COIL	0.45uH	
L844	QQLZ005-R45	COIL	0.45uH	
L845	QQLZ005-R45	COIL	0.45uH	
L846	QQLZ005-R45	COIL	0.45uH	
CN72	QGB2510K1-06	CONNECTOR	B-B (1-6)	
CN82	QGB2510K1-06	CONNECTOR	B-B (1-6)	
CN701	QGB2510J1-12	CONNECTOR	B-B (1-12)	
CN702	QGB2510J1-12	CONNECTOR	B-B (1-12)	

⚠ Symbol No.	Part No.	Part Name	Description	Local
CN703	QGB2510J1-10	CONNECTOR	B-B (1-10)	
CN704	QGB2510J1-10	CONNECTOR	B-B (1-10)	
CN705	QGB2510J1-12	CONNECTOR	B-B (1-12)	
CN706	QGB2510J1-12	CONNECTOR	B-B (1-12)	
CN723	QGA2501C1-04	CONNECTOR	W-B (1-4)	
CN801	QJK012-032403	SKT WIRE ASSY		
CN813	QGA3901C1-06	CONNECTOR	W-B (1-6)	
CN814	QGA3901C1-07	CONNECTOR	W-B (1-7)	
CN823	QJK015-063001	C-B WIRE ASSY		
CN824	QJK015-073202	SKT WIRE ASSY		
CN831	QGD2501C1-04Z	CONNECTOR	(1-4)	
CN881	QGD2501C1-03Z	CONNECTOR	(1-3)	
EP801	QNZ0136-001Z	EARTH PLATE		
FW931	QUM217-08DGZ4	PARA RIBON WIRE		
RY831	QSK0109-001	RELAY		
RY832	QSK0109-001	RELAY		
RY851	QSK0149-001	RELAY		
RY852	QSK0109-001	RELAY		
RY853	QSK0149-001	RELAY		
RY871	QSK0109-001	RELAY		
ST832	QNB0082-002	SPK TERMINAL		
ST833	QNB0079-001	SPK TERMINAL		
ST853	QNB0111-001	SPK.TERMINAL		

Front board

Block No. [0][2][0][0]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW401	QUB030-17PPHM	SIN TWIST WIRE		
PW402	QUB131-18PPDM	CONNECTOR		
IC201	BA7625	IC	Video selector	
IC241	BA7626	IC	Video selector	
IC242	BA7625	IC	Video selector	
IC303	HA17558AF-X	IC	Ope. amp.	
IC371	TC9163AF-X	IC		
IC372	SAA6588	IC(RDS)	RDS Detector (only CA-MXS5RMD)	
IC400	MN101C35DMF	IC	System control & FL driver	
IC404	GP1UM281XK	IR DETECT UNIT	Dual operation amplifier	
Q200	KTA1267/YG/-T	TRANSISTOR		
Q204	KTA1267/YG/-T	TRANSISTOR		
Q240	KTA1267/YG/-T	TRANSISTOR		
Q241	KTA1267/YG/-T	TRANSISTOR		
Q244	KTA1267/YG/-T	TRANSISTOR		
Q254	KTA1267/YG/-T	TRANSISTOR		
Q301	2SC3576-JVC-T	TRANSISTOR		
Q302	2SC3576-JVC-T	TRANSISTOR		
Q303	KRA104S-X	DIGI TRANSISTOR		
Q402	UN2215-X	TRANSISTOR		
Q403	KRC109S-X	TRANSISTOR		
Q404	KRC107S-X	DIGI TRANSISTOR		
Q407	KRC107S-X	DIGI TRANSISTOR		
Q408	KRC107S-X	DIGI TRANSISTOR		
Q410	UN2114-X	TRANSISTOR		
Q411	UN2114-X	TRANSISTOR		
Q413	UN2114-X	TRANSISTOR		
D405	1SS133-T2	DIODE		
D480	SLR-343VC/NPQ-T	LED		
D490	SLR-343VC/NPQ-T	LED		
D491	SLR-343VC/NPQ-T	LED		
C201	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C202	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C203	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C204	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C207	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C208	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C209	QCF31HZ-103Z	C CAPACITOR	0.01uF 50V Z	
C211	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C212	QCF31HZ-103Z	C CAPACITOR	0.01uF 50V Z	
C226	NCS31HJ-470X	C CAPACITOR	47pF 50V J	
C228	NCS31HJ-470X	C CAPACITOR	47pF 50V J	
C241	QDX31EM-473Z	C CAPACITOR	0.047uF 25V M	
C242	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C243	QCF31HZ-103Z	C CAPACITOR	0.01uF 50V Z	
C244	QDX31EM-473Z	C CAPACITOR	0.047uF 25V M	
C245	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C246	QDX31EM-473Z	C CAPACITOR	0.047uF 25V M	
C247	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C248	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C249	QDX31EM-473Z	C CAPACITOR	0.047uF 25V M	
C250	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C251	QDX31EM-473Z	C CAPACITOR	0.047uF 25V M	
C252	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C256	QCF31HZ-103Z	C CAPACITOR	0.01uF 50V Z	
C257	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C258	QCF31HZ-103Z	C CAPACITOR	0.01uF 50V Z	
C259	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C268	NCS31HJ-470X	C CAPACITOR	47pF 50V J	
C269	NCS31HJ-470X	C CAPACITOR	47pF 50V J	
C270	NCS31HJ-470X	C CAPACITOR	47pF 50V J	
C271	NCS31HJ-470X	C CAPACITOR	47pF 50V J	
C280	NCS31HJ-470X	C CAPACITOR	47pF 50V J	
C281	NCS31HJ-470X	C CAPACITOR	47pF 50V J	
C282	NCS31HJ-470X	C CAPACITOR	47pF 50V J	
C283	NCS31HJ-470X	C CAPACITOR	47pF 50V J	
C284	NCS31HJ-470X	C CAPACITOR	47pF 50V J	
C285	NCS31HJ-470X	C CAPACITOR	47pF 50V J	
C317	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C318	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C341	QETN1CM-106Z	E CAPACITOR	10uF 16V M	
C342	QETN1CM-106Z	E CAPACITOR	10uF 16V M	
C343	QETN1CM-106Z	E CAPACITOR	10uF 16V M	
C344	QETN1CM-106Z	E CAPACITOR	10uF 16V M	
C351	QFLC1HJ-562Z	M CAPACITOR	5600pF 50V J	
C352	QFLC1HJ-562Z	M CAPACITOR	5600pF 50V J	
C371	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C372	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C373	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C374	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C375	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C376	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C377	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C378	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C379	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C380	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C381	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C382	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C385	QETN1EM-226Z	E CAPACITOR	22uF 25V M	
C386	QETN1EM-226Z	E CAPACITOR	22uF 25V M	
C389	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C391	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C392	NCS31HJ-470X	C CAPACITOR	47pF 50V J	
C393	NCS31HJ-470X	C CAPACITOR	47pF 50V J	
C394	QDX31EM-473Z	C CAPACITOR	0.047uF 25V M	
C395	QETN1CM-106Z	E CAPACITOR	10uF 16V M	
C396	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C397	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C398	NCS31HJ-331X	C CAPACITOR	330pF 50V J	
C399	QETN1CM-226Z	E CAPACITOR	22uF 16V M	
C400	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C401	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C402	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C403	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C404	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	
C406	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C407	QCZ0202-155Z	C CAPACITOR	1.5uF 25V Z	
C409	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C410	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C411	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C412	QEKJ0JM-107Z	E CAPACITOR	100uF 6.3V M	
C413	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C414	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C420	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C421	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C422	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C423	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C424	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C425	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C427	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
R200	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R201	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R202	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R203	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R206	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R207	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R208	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R209	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R210	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R213	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R214	NRSA63J-621X	MG RESISTOR	620Ω 1/16W J	
R219	NRSA63J-621X	MG RESISTOR	620Ω 1/16W J	
R221	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R225	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
R226	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
R240	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R241	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R242	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R243	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R244	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R245	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R246	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R247	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R248	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R249	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R252	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
R253	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R255	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R259	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R266	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R267	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R268	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R269	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R271	QRJ146J-3R3X	UNF C RESISTOR	3.3Ω 1/4W J	
R284	NRSA63J-301X	MG RESISTOR	300Ω 1/16W J	
R317	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R318	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R341	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R342	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R343	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R344	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R345	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R346	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R351	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R352	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R371	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R372	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R373	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R374	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R375	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R376	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R377	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R378	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R379	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R380	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R381	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R382	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R385	QRZ9005-680X	F RESISTOR	68Ω	
R386	QRZ9005-680X	F RESISTOR	68Ω	
R387	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R388	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R389	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R390	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R391	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R392	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R393	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R394	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R395	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R396	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R397	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R398	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R400	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R401	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R402	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R403	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R404	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R405	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R406	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R407	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R408	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R409	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R410	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R411	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R412	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R413	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R414	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R415	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R416	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R417	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R418	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R419	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R420	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R421	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R422	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R423	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R424	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R425	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R426	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R427	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R428	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R429	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R430	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R431	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R432	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R433	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R434	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R438	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R439	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R445	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R446	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R447	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R448	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R449	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R450	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R451	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R453	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R454	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R455	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R456	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R457	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R459	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R460	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R461	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R462	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R463	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R464	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R465	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R466	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R468	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R480	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R481	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R482	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R483	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R484	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R485	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
BK400	LV42092-001A	FL HOLDER(R)		
BK401	LV42093-001A	FL HOLDER(L)		
CN200	QGB2510K1-12	CONNECTOR	B-B (1-12)	
CN204	QGB1214K1-10S	CONNECTOR	B-B (1-10)	
CN240	QGB2510K1-10	CONNECTOR	B-B (1-10)	
CN313	QGB2510K1-18	CONNECTOR	B-B (1-18)	
CN314	QGF1205F1-11	CONNECTOR	FFC/FPC (1-11)	
CN315	QGB2510K1-04	CONNECTOR	B-B (1-4)	
CN371	QGB1214K1-18S	CONNECTOR	B-B (1-18)	
CN410	QGF1205F1-09	CONNECTOR	FFC/FPC (1-9)	
CN412	QGF1205F1-05	CONNECTOR	FFC/FPC (1-5)	
CN420	QJK025-031301	C-B WIRE ASSY		
CN422	QJK025-041201	SIN ID C-B WIRE		
CN430	QGA2501C1-03	CONNECTOR	W-B (1-3)	
CN432	QGA2501C1-04	CONNECTOR	W-B (1-4)	
DI400	QLF0113-001	FL TUBE		

⚠ Symbol No.	Part No.	Part Name	Description	Local
FL351	QQR0590-001	FILTER		
FL352	QQR0590-001	FILTER		
FS400	E3400-444	FELT SPACER		
FS401	E3400-444	FELT SPACER		
J201	QNN0011-001	PIN JACK		
J202	QNN0011-001	PIN JACK		
J204	QNN0017-002	PIN JACK		
J241	QND0108-001	S-CONNECTOR		
J242	QND0098-001	DIN CONNECTOR		
J244	QND0107-001	S JACK		
J371	QNN0018-002	PIN JACK		
J372	QNN0018-002	PIN JACK		
J373	QNN0546-001	PIN JACK		
JS400	QSW1017-001	JOG VOLUME		
JS401	QSW1015-001	ROTARY ENCODER		
S400	QSW0683-001Z	PUSH SW		
S401	QSW0683-001Z	PUSH SW		
S402	QSW0683-001Z	PUSH SW		
S403	QSW0683-001Z	PUSH SW		
S404	QSW0683-001Z	PUSH SW		
S405	QSW0683-001Z	PUSH SW		
S406	QSW0683-001Z	PUSH SW		
S407	QSW0683-001Z	PUSH SW		
S408	QSW0683-001Z	PUSH SW		
S409	QSW0683-001Z	PUSH SW		
S411	QSW0683-001Z	PUSH SW		
S412	QSW0683-001Z	PUSH SW		
S414	QSW0683-001Z	PUSH SW		
S415	QSW0683-001Z	PUSH SW		
S416	QSW0683-001Z	PUSH SW		
S417	QSW0683-001Z	PUSH SW		
S418	QSW0683-001Z	PUSH SW		
S419	QSW0683-001Z	PUSH SW		
S421	QSW0683-001Z	PUSH SW		
S422	QSW0683-001Z	PUSH SW		
S424	QSW0683-001Z	PUSH SW		
S425	QSW0683-001Z	PUSH SW		
S426	QSW0683-001Z	PUSH SW		
S427	QSW0683-001Z	PUSH SW		
S429	QSW0683-001Z	PUSH SW		
S430	QSW0683-001Z	PUSH SW		
S431	QSW0683-001Z	PUSH SW		
S480	QSW0683-001Z	PUSH SW		
S481	QSW0683-001Z	PUSH SW		
S482	QSW0683-001Z	PUSH SW		
S483	QSW0683-001Z	PUSH SW		
X301	QAX0263-001Z	CRYSTAL	4.332MHz	
X400	QAX0246-001Z	C RESONATOR	8.00MHz	

Micon board

Block No. [0][3][0][0]

⚠ Symbol No.	Part No.	Part Name	Description	Local
PW12	QUB111-16PPPP	WIRE		
PW16	QUB116-16PPPP	PIN WIRE		
PW18	QUB112-28PPPP	SIN TWIST WIRE		
PW19	QUB111-28PPPP	SIN TWIST WIRE		
PW30	QUB116-28PPPP	SIN TWIST WIRE		
PW60	QUB111-28PPPP	SIN TWIST WIRE		
IC901	MN101C49GMG	IC(MCU)	System control	
IC903	IC-PST9139-T	IC		
Q52	KTD863/Y/-T	TRANSISTOR		
Q53	KRC105M-T	DIGI TRANSISTOR		
Q71	KTA1046/Y/	TRANSISTOR		
Q74	KTC3200/GL/-T	TRANSISTOR		
Q901	KRC107M-T	TRANSISTOR		
Q903	KRC105M-T	DIGI TRANSISTOR		
Q904	KRC105M-T	DIGI TRANSISTOR		
Q905	KRC105M-T	DIGI TRANSISTOR		
Q906	KRC105M-T	DIGI TRANSISTOR		
Q907	KRC105M-T	DIGI TRANSISTOR		
Q908	KRC105M-T	DIGI TRANSISTOR		
Q921	2SD2395/EF/	TRANTRANSISTOR		
Q931	2SD2395/EF/	TRANTRANSISTOR		
Q941	2SD2395/EF/	TRANTRANSISTOR		
Q951	2SD2395/EF/	TRANTRANSISTOR		
Q961	KTA1046/Y/	TRANSISTOR		
Q971	2SD2395/EF/	TRANTRANSISTOR		
⚠ D51	11ES2-T4	DIODE		
⚠ D52	11ES2-T4	DIODE		
⚠ D53	11ES2-T4	DIODE		
⚠ D54	11ES2-T4	DIODE		
D56	MTZJ6.2B-T2	Z DIODE		
D57	1SS133-T2	DIODE		
⚠ D61	10E2-FD	DIODE		
⚠ D62	11ES2-T4	DIODE		
⚠ D63	10E2-FD	DIODE		
⚠ D64	11ES2-T4	DIODE		
D71	11ES2-T4	DIODE		
D72	11ES2-T4	DIODE		
D73	11ES2-T4	DIODE		
D74	MTZJ36C-T2	Z DIODE		
D75	MTZJ8.2C-T2	Z DIODE		
D900	11ES2-T4	DIODE		
D901	11ES2-T4	DIODE		
D902	11ES2-T4	DIODE		
D904	1SS133-T2	DIODE		
D921	MTZJ5.6C-T2	Z DIODE		
D931	MTZJ6.2C-T2	Z DIODE		
D941	MTZJ13C-T2	Z DIODE		
D951	MTZJ13C-T2	Z DIODE		
D955	1SS133-T2	DIODE		
D956	1SS133-T2	DIODE		
D961	MTZJ13C-T2	Z DIODE		
D971	MTZJ10C-T2	Z DIODE		
D975	1SS133-T2	DIODE		
D976	1SS133-T2	DIODE		
D977	1SS133-T2	DIODE		
D978	1SS133-T2	DIODE		
D979	1SS133-T2	DIODE		
⚠ C1	QCZ9104-472	C CAPACITOR	4700pF	
C51	QFLC2AJ-472Z	M CAPACITOR	4700pF 100V J	
C52	QETM1EM-108	E CAPACITOR	1000uF 25V M	
C54	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C55	QCF31HZ-472Z	C CAPACITOR	4700pF 50V Z	
C61	QFN32AJ-104Z	M CAPACITOR	0.1uF 100V J	
C62	QFN32AJ-104Z	M CAPACITOR	0.1uF 100V J	
C63	QFN32AJ-104Z	M CAPACITOR	0.1uF 100V J	
C65	QETM1VM-338	E CAPACITOR	3300uF 35V M	
C66	QETM1VM-108	E CAPACITOR	1000uF 35V M	
C68	QFLC1HJ-473Z	M CAPACITOR	0.047uF 50V J	
C69	QFLC1HJ-473Z	M CAPACITOR	0.047uF 50V J	
C70	QETN1HM-227Z	E CAPACITOR	220uF 50V M	
C71	QETN1JM-107Z	E CAPACITOR	100uF 63V M	
C72	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C73	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C74	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C81	QFZ9076-104Z	MM CAPACITOR	0.1uF	
C91	QCBB1HK-471Y	C CAPACITOR	470pF 50V K	
C92	QCBB1HK-471Y	C CAPACITOR	470pF 50V K	
C901	QETN0JM-107Z	E CAPACITOR	100uF 6.3V M	
C902	QCZ0202-155Z	C CAPACITOR	1.5uF 25V Z	
C903	QETN0JM-228Z	E CAPACITOR	2200uF 6.3V M	
C904	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C905	QDVB1EZ-223Y	C CAPACITOR	0.022uF 25V Z	
C921	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C922	QCF31HZ-472Z	C CAPACITOR	4700pF 50V Z	
C931	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C932	QCF31HZ-472Z	C CAPACITOR	4700pF 50V Z	
C941	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C942	QCF31HZ-472Z	C CAPACITOR	4700pF 50V Z	
C951	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C952	QCF31HZ-472Z	C CAPACITOR	4700pF 50V Z	
C961	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C962	QCF31HZ-472Z	C CAPACITOR	4700pF 50V Z	
C971	QETN1EM-337Z	E CAPACITOR	330uF 25V M	
C972	QCF31HZ-472Z	C CAPACITOR	4700pF 50V Z	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C975	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C981	QCBB1HK-331Y	C CAPACITOR	330pF 50V K	
C982	QCBB1HK-331Y	C CAPACITOR	330pF 50V K	
C983	QCBB1HK-331Y	C CAPACITOR	330pF 50V K	
C984	QCBB1HK-331Y	C CAPACITOR	330pF 50V K	
C985	QCBB1HK-103Y	C CAPACITOR	0.01uF 50V K	
C993	QCBB1HK-101Y	C CAPACITOR	100pF 50V K	
C994	QCBB1HK-271Y	C CAPACITOR	270pF 50V K	
⚠ R53	QRJ146J-6R8X	UNF C RESISTOR	6.8Ω 1/4W J	
R54	QRE141J-821Y	C RESISTOR	820Ω 1/4W J	
R61	QRJ146J-8R2X	UNF C RESISTOR	8.2Ω 1/4W J	
R72	QRJ146J-332X	UNF C RESISTOR	3.3kΩ 1/4W J	
R73	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J	
R74	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R91	QRL027J-471	OMF RESISTOR	470Ω 2W J	
R92	QRL027J-471	OMF RESISTOR	470Ω 2W J	
R903	QRE141J-331Y	C RESISTOR	330Ω 1/4W J	
R904	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R910	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J	
R911	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R913	QRT027J-3R9	MF RESISTOR	3.9Ω 2W J	
R914	QRL027J-160	OMF RESISTOR	16Ω 2W J	
R915	QRT027J-3R9	MF RESISTOR	3.9Ω 2W J	
R916	QRL027J-100	OMF RESISTOR	10Ω 2W J	
R918	QRL027J-100	OMF RESISTOR	10Ω 2W J	
R921	QRK126J-120X	UNF C RESISTOR	12Ω 1/2W J	
R923	QRJ146J-272X	UNF C RESISTOR	2.7kΩ 1/4W J	
R924	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R925	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R926	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R927	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R928	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R929	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R930	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R931	QRL027J-100	OMF RESISTOR	10Ω 2W J	
R933	QRJ146J-272X	UNF C RESISTOR	2.7kΩ 1/4W J	
R934	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R935	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R936	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R937	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R938	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R939	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R940	QRJ146J-3R3X	UNF C RESISTOR	3.3Ω 1/4W J	
R943	QRJ146J-222X	UNF C RESISTOR	2.2kΩ 1/4W J	
R944	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R945	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R946	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R953	QRJ146J-222X	UNF C RESISTOR	2.2kΩ 1/4W J	
R954	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R955	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R956	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R957	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R958	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R959	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R960	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R961	QRZ9005-220X	FUSI RESISTOR	22Ω	
R962	QRZ9005-220X	FUSI RESISTOR	22Ω	
R963	QRJ146J-222X	UNF C RESISTOR	2.2kΩ 1/4W J	
R965	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R966	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R967	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R968	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R969	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R971	QRJ146J-120X	UNF C RESISTOR	12Ω 1/4W J	
R973	QRJ146J-332X	UNF C RESISTOR	3.3kΩ 1/4W J	
R975	QRJ146J-220X	UNF C RESISTOR	22Ω 1/4W J	
R976	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R977	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R978	QRE141J-133Y	C RESISTOR	13kΩ 1/4W J	
R979	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R980	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R981	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R982	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R983	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R984	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R985	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R987	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R993	QRE141J-622Y	C RESISTOR	6.2kΩ 1/4W J	
R994	QRE141J-512Y	C RESISTOR	5.1kΩ 1/4W J	
R995	QRE141J-133Y	C RESISTOR	13kΩ 1/4W J	
R996	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R997	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
R998	QRE141J-562Y	C RESISTOR	5.6kΩ 1/4W J	
R999	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
⚠ T2	QQT0281-002	POWER TRANSF		
CN55	QGD2501C1-05Z	CONNECTOR	(1-5)	
CN71	QGB2510J1-06	CONNECTOR	B-B (1-6)	
CN72	QGB2510K1-06	CONNECTOR	B-B (1-6)	
CN81	QGB2510J1-06	CONNECTOR	B-B (1-6)	
CN82	QGB2510K1-06	CONNECTOR	B-B (1-6)	
CN101	QGB2510J1-04	CONNECTOR	B-B (1-4)	
CN201	QGB2510J1-12	CONNECTOR	B-B (1-12)	
CN241	QGB2510J1-10	CONNECTOR	B-B (1-10)	
CN301	QGB2510J1-04	CONNECTOR	B-B (1-4)	
CN303	QGB2510J1-18	CONNECTOR	B-B (1-18)	
CN334	QGF1205C1-06	CONNECTOR	FFC/FPC (1-6)	
CN400	QGF1205C1-09	CONNECTOR	FFC/FPC (1-9)	
CN402	QGF1205C1-05	CONNECTOR	FFC/FPC (1-5)	
CN601	QGB2510J1-07	CONNECTOR	B-B (1-7)	
CN811	QGA3901F2-03	CONNECTOR	W-B (1-3)	
CN931	QGD2501C1-04Z	CONNECTOR	(1-4)	
CN932	QGD2501C1-03Z	CONNECTOR	(1-3)	
EP1	E409182-001SM	GRAND TERMINAL		
EP51	QNZ0136-001Z	EARTH PLATE		
EP91	E406523-001SM	GND BKT		
EP901	QNZ0136-001Z	EARTH PLATE		
EP902	QNZ0136-001Z	EARTH PLATE		
FC1	QNG0020-001Z	FUSE CLIP		
FC2	QNG0020-001Z	FUSE CLIP		
FC3	QNG0020-001Z	FUSE CLIP		
FC4	QNG0020-001Z	FUSE CLIP		
FC61	QNG0020-001Z	FUSE CLIP		
FC62	QNG0020-001Z	FUSE CLIP		
FC63	QNG0020-001Z	FUSE CLIP		
FC64	QNG0020-001Z	FUSE CLIP		
FW51	QUM215-10DGZ4	PARA RIBON WIRE		
FW831	QUM134-08DGZ4	PARA RIBON WIRE		
FW881	QUM213-44DGZ4	PARA RIBON WIRE		
HL901	VYH7237-002	IC HOLDER		
HS951	E70306-001	HEAT SINK		
HS961	E70306-001	HEAT SINK		
HS971	E70306-001	HEAT SINK		
J91	QNS0022-001	JACK		
⚠ RY1	QSK0098-001	RELAY		
TA1	QNZ0079-001Z	TAB		
TA2	QNZ0079-001Z	TAB		
⚠ TH71	QAD0095-4R7Z	P THERMISTOR	4.7Ω M	
X901	QAX0246-001Z	C RESONATOR	8.00MHz	

Power board

Block No. [0][4][0][0]

⚠ Symbol No.	Part No.	Part Name	Description	Local
Q701	2SC2240-BL/AB/T	TRANSISTOR		
Q702	2SC2240-BL/AB/T	TRANSISTOR		
Q703	2SC2240-BL/AB/T	TRANSISTOR		
Q704	2SC2240-BL/AB/T	TRANSISTOR		
Q705	KTA1268/GL/-T	TRANSISTOR		
Q706	KTA1268/GL/-T	TRANSISTOR		
Q707	KTA1268/GL/-T	TRANSISTOR		
Q708	KTA1268/GL/-T	TRANSISTOR		
Q709	KTA1268/GL/-T	TRANSISTOR		
Q710	KTA1268/GL/-T	TRANSISTOR		
Q711	KTC3200/GL/-T	TRANSISTOR		
Q712	KTC3200/GL/-T	TRANSISTOR		
⚠ Q761	2SD2390/PY/-F6	TRANSISTOR		
⚠ Q762	2SD2390/PY/-F6	TRANSISTOR		
⚠ Q763	2SB1560/PY/-F6	TRANSISTOR		

⚠ Symbol No.	Part No.	Part Name	Description	Local
⚠ Q764	2SB1560/PY/-F6	TRANSISTOR		
Q771	KTC3200/GL/-T	TRANSISTOR		
Q772	KTC3200/GL/-T	TRANSISTOR		
Q773	KTA1268/GL/-T	TRANSISTOR		
Q774	KTA1268/GL/-T	TRANSISTOR		
Q781	2SD637/QR/	TRANSISTOR		
Q782	2SD637/QR/	TRANSISTOR		
Q791	KTA1268/GL/-T	TRANSISTOR		
Q792	KTA1268/GL/-T	TRANSISTOR		
Q1701	2SC2240-BL/AB/T	TRANSISTOR		
Q1702	2SC2240-BL/AB/T	TRANSISTOR		
Q1703	KTA1268/GL/-T	TRANSISTOR		
Q1731	2SD637/QR/	TRANSISTOR		
⚠ Q1751	2SD2390/PY/-F6	TRANSISTOR		
⚠ Q1752	2SB1560/PY/-F6	TRANSISTOR		
Q1771	KTC3200/GL/-T	TRANSISTOR		
Q1772	KTA1268/GL/-T	TRANSISTOR		
Q1791	KTA1268/GL/-T	TRANSISTOR		
Q1801	2SC2240-BL/AB/T	TRANSISTOR		
Q1802	2SC2240-BL/AB/T	TRANSISTOR		
Q1803	2SC2240-BL/AB/T	TRANSISTOR		
Q1804	2SC2240-BL/AB/T	TRANSISTOR		
Q1805	KTA1268/GL/-T	TRANSISTOR		
Q1806	KTA1268/GL/-T	TRANSISTOR		
Q1831	2SD637/QR/	TRANSISTOR		
Q1832	2SD637/QR/	TRANSISTOR		
⚠ Q1851	2SD2390/PY/-F6	TRANSISTOR		
⚠ Q1852	2SD2390/PY/-F6	TRANSISTOR		
⚠ Q1853	2SB1560/PY/-F6	TRANSISTOR		
⚠ Q1854	2SB1560/PY/-F6	TRANSISTOR		
Q1871	KTC3200/GL/-T	TRANSISTOR		
Q1872	KTC3200/GL/-T	TRANSISTOR		
Q1873	KTA1268/GL/-T	TRANSISTOR		
Q1874	KTA1268/GL/-T	TRANSISTOR		
Q1891	KTA1268/GL/-T	TRANSISTOR		
Q1892	KTA1268/GL/-T	TRANSISTOR		
Q1901	2SC2240-BL/AB/T	TRANSISTOR		
Q1902	2SC2240-BL/AB/T	TRANSISTOR		
Q1903	KTA1268/GL/-T	TRANSISTOR		
Q1931	2SD637/QR/	TRANSISTOR		
⚠ Q1951	2SD2390/PY/-F6	TRANSISTOR		
⚠ Q1952	2SB1560/PY/-F6	TRANSISTOR		
Q1971	KTC3200/GL/-T	TRANSISTOR		
Q1972	KTA1268/GL/-T	TRANSISTOR		
Q1991	KTA1268/GL/-T	TRANSISTOR		
D701	1SS133-T2	DIODE		
D702	1SS133-T2	DIODE		
D703	1SS133-T2	DIODE		
D704	1SS133-T2	DIODE		
D771	1SS133-T2	DIODE		
D772	1SS133-T2	DIODE		
D773	1SS133-T2	DIODE		
D774	1SS133-T2	DIODE		
D791	1SS133-T2	DIODE		
D792	1SS133-T2	DIODE		
D1701	1SS133-T2	DIODE		
D1771	1SS133-T2	DIODE		
D1772	1SS133-T2	DIODE		
D1791	1SS133-T2	DIODE		
D1801	1SS133-T2	DIODE		
D1802	1SS133-T2	DIODE		
D1871	1SS133-T2	DIODE		
D1872	1SS133-T2	DIODE		
D1873	1SS133-T2	DIODE		
D1874	1SS133-T2	DIODE		
D1891	1SS133-T2	DIODE		
D1892	1SS133-T2	DIODE		
D1901	1SS133-T2	DIODE		
D1971	1SS133-T2	DIODE		
D1992	1SS133-T2	DIODE		
D1993	1SS133-T2	DIODE		
C701	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C702	QTE1V06-106Z	E CAPACITOR	10uF 35V	
C703	QCS31HJ-101Z	C CAPACITOR	100pF 50V J	
C704	QCS31HJ-101Z	C CAPACITOR	100pF 50V J	
C705	QCS31HJ-101Z	C CAPACITOR	100pF 50V J	
C706	QCS31HJ-101Z	C CAPACITOR	100pF 50V J	
C707	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C708	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C709	QCS31HJ-100Z	C CAPACITOR	10pF 50V J	
C710	QCS31HJ-100Z	C CAPACITOR	10pF 50V J	
C711	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	
C712	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	
C713	QCS31HJ-680Z	C CAPACITOR	68pF 50V J	
C714	QCS31HJ-680Z	C CAPACITOR	68pF 50V J	
C715	QCS31HJ-680Z	C CAPACITOR	68pF 50V J	
C716	QCS31HJ-680Z	C CAPACITOR	68pF 50V J	
C717	QCS32HJ-220Z	C CAPACITOR	22pF 500V J	
C718	QCS32HJ-220Z	C CAPACITOR	22pF 500V J	
C719	QFLC1HJ-472Z	M CAPACITOR	4700pF 50V J	
C720	QFLC1HJ-472Z	M CAPACITOR	4700pF 50V J	
C741	QETN2AM-476Z	E CAPACITOR	47uF 100V M	
C742	QETN2AM-476Z	E CAPACITOR	47uF 100V M	
C745	QETN2AM-476Z	E CAPACITOR	47uF 100V M	
C746	QETN2AM-476Z	E CAPACITOR	47uF 100V M	
C751	QCS32HJ-470Z	C CAPACITOR	47pF 500V J	
C752	QCS32HJ-470Z	C CAPACITOR	47pF 500V J	
C753	QCS32HJ-470Z	C CAPACITOR	47pF 500V J	
C754	QCS32HJ-470Z	C CAPACITOR	47pF 500V J	
C791	QFLC1HJ-473Z	M CAPACITOR	0.047uF 50V J	
C792	QFLC1HJ-473Z	M CAPACITOR	0.047uF 50V J	
C793	QFLC1HJ-473Z	M CAPACITOR	0.047uF 50V J	
C794	QFLC1HJ-473Z	M CAPACITOR	0.047uF 50V J	
C795	QCF31HZ-223Z	C CAPACITOR	0.022uF 50V Z	
C796	QCF31HZ-223Z	C CAPACITOR	0.022uF 50V Z	
C1701	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1702	QCS31HJ-101Z	C CAPACITOR	100pF 50V J	
C1703	QCS31HJ-221Z	C CAPACITOR	220pF 50V J	
C1704	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1705	QCS31HJ-5R0Z	C CAPACITOR	5pF 50V J	
C1711	QCS32HJ-330Z	C CAPACITOR	33pF 500V J	
C1712	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	
C1713	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1715	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C1741	QETN2AM-476Z	E CAPACITOR	47uF 100V M	
C1743	QETN2AM-476Z	E CAPACITOR	47uF 100V M	
C1751	QCS32HJ-470Z	C CAPACITOR	47pF 500V J	
C1752	QCS32HJ-470Z	C CAPACITOR	47pF 500V J	
C1761	QFLC1HJ-473Z	M CAPACITOR	0.047uF 50V J	
C1762	QFLC1HJ-473Z	M CAPACITOR	0.047uF 50V J	
C1791	QCF31HZ-223Z	C CAPACITOR	0.022uF 50V Z	
C1801	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1802	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1803	QCS31HJ-101Z	C CAPACITOR	100pF 50V J	
C1804	QCS31HJ-101Z	C CAPACITOR	100pF 50V J	
C1805	QCS31HJ-221Z	C CAPACITOR	220pF 50V J	
C1806	QCS31HJ-221Z	C CAPACITOR	220pF 50V J	
C1807	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1808	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1809	QCS31HJ-5R0Z	C CAPACITOR	5pF 50V J	
C1810	QCS31HJ-5R0Z	C CAPACITOR	5pF 50V J	
C1811	QCS32HJ-330Z	C CAPACITOR	33pF 500V J	
C1812	QCS32HJ-330Z	C CAPACITOR	33pF 500V J	
C1813	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	
C1814	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	
C1815	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1816	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1817	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C1818	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C1841	QETN2AM-476Z	E CAPACITOR	47uF 100V M	
C1842	QETN2AM-476Z	E CAPACITOR	47uF 100V M	
C1843	QETN2AM-476Z	E CAPACITOR	47uF 100V M	
C1844	QETN2AM-476Z	E CAPACITOR	47uF 100V M	
C1851	QCS32HJ-470Z	C CAPACITOR	47pF 500V J	
C1852	QCS32HJ-470Z	C CAPACITOR	47pF 500V J	
C1853	QCS32HJ-470Z	C CAPACITOR	47pF 500V J	
C1854	QCS32HJ-470Z	C CAPACITOR	47pF 500V J	
C1861	QFLC1HJ-473Z	M CAPACITOR	0.047uF 50V J	
C1862	QFLC1HJ-473Z	M CAPACITOR	0.047uF 50V J	
C1863	QFLC1HJ-473Z	M CAPACITOR	0.047uF 50V J	
C1864	QFLC1HJ-473Z	M CAPACITOR	0.047uF 50V J	
C1891	QCF31HZ-223Z	C CAPACITOR	0.022uF 50V Z	
C1892	QCF31HZ-223Z	C CAPACITOR	0.022uF 50V Z	
C1901	QETN1HM-105Z	E CAPACITOR	1uF 50V M	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C1902	QCS31HJ-101Z	C CAPACITOR	100pF 50V J	
C1903	QCS31HJ-101Z	C CAPACITOR	100pF 50V J	
C1904	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1905	QCS31HJ-5R0Z	C CAPACITOR	5pF 50V J	
C1911	QCS32HJ-330Z	C CAPACITOR	33pF 500V J	
C1912	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	
C1913	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1915	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C1941	QETN2AM-476Z	E CAPACITOR	47uF 100V M	
C1943	QETN2AM-476Z	E CAPACITOR	47uF 100V M	
C1951	QCS32HJ-470Z	C CAPACITOR	47pF 500V J	
C1952	QCS32HJ-470Z	C CAPACITOR	47pF 500V J	
C1961	QFLC1HJ-473Z	M CAPACITOR	0.047uF 50V J	
C1962	QFLC1HJ-473Z	M CAPACITOR	0.047uF 50V J	
C1991	QCF31HZ-223Z	C CAPACITOR	0.022uF 50V Z	
R701	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R702	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R703	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R704	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R705	QRE141J-202Y	C RESISTOR	2kΩ 1/4W J	
R706	QRE141J-202Y	C RESISTOR	2kΩ 1/4W J	
R707	QRE141J-202Y	C RESISTOR	2kΩ 1/4W J	
R708	QRE141J-202Y	C RESISTOR	2kΩ 1/4W J	
R709	QRE141J-912Y	C RESISTOR	9.1kΩ 1/4W J	
R710	QRE141J-912Y	C RESISTOR	9.1kΩ 1/4W J	
R711	QRE141J-621Y	C RESISTOR	620Ω 1/4W J	
R712	QRE141J-621Y	C RESISTOR	620Ω 1/4W J	
R715	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R716	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R717	QRJ146J-562X	UNF C RESISTOR	5.6kΩ 1/4W J	
R718	QRJ146J-562X	UNF C RESISTOR	5.6kΩ 1/4W J	
R719	QRK126J-103X	UNF C RESISTOR	10kΩ 1/2W J	
R720	QRK126J-103X	UNF C RESISTOR	10kΩ 1/2W J	
R721	QRJ146J-151X	UNF C RESISTOR	150Ω 1/4W J	
R722	QRJ146J-151X	UNF C RESISTOR	150Ω 1/4W J	
R723	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
R724	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
R725	QRE141J-152Y	C RESISTOR	1.5kΩ 1/4W J	
R726	QRE141J-152Y	C RESISTOR	1.5kΩ 1/4W J	
R727	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R728	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R729	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
R730	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
R731	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
R732	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
R733	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R734	QRE141J-221Y	C RESISTOR	220Ω 1/4W J	
R761	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R762	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R763	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R764	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R771	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
R772	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
R773	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
R774	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
R775	QRE141J-201Y	C RESISTOR	200Ω 1/4W J	
R776	QRE141J-201Y	C RESISTOR	200Ω 1/4W J	
R777	QRE141J-201Y	C RESISTOR	200Ω 1/4W J	
R778	QRE141J-201Y	C RESISTOR	200Ω 1/4W J	
R779	QRZ0218-R22	EMIT RESISTOR	0.22Ω	
R780	QRZ0218-R22	EMIT RESISTOR	0.22Ω	
R781	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
R782	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
R783	QRE141J-621Y	C RESISTOR	620Ω 1/4W J	
R784	QRE141J-621Y	C RESISTOR	620Ω 1/4W J	
R787	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R788	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R789	QRE141J-271Y	C RESISTOR	270Ω 1/4W J	
R790	QRE141J-271Y	C RESISTOR	270Ω 1/4W J	
R791	QRJ125J-330	UNF C RESISTOR	33Ω 1/2W J	
R792	QRJ125J-330	UNF C RESISTOR	33Ω 1/2W J	
R793	QRL027J-100	OMF RESISTOR	10Ω 2W J	
R794	QRL027J-100	OMF RESISTOR	10Ω 2W J	
R795	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R796	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R797	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
R798	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R1701	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R1702	QRE141J-683Y	C RESISTOR	68kΩ 1/4W J	
R1703	QRE141J-202Y	C RESISTOR	2kΩ 1/4W J	
R1705	QRE141J-123Y	C RESISTOR	12kΩ 1/4W J	
R1711	QRE141J-331Y	C RESISTOR	330Ω 1/4W J	
R1712	QRE141J-563Y	C RESISTOR	56kΩ 1/4W J	
R1721	QRJ146J-221X	UNF C RESISTOR	220Ω 1/4W J	
R1722	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R1723	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R1724	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R1725	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R1731	QRE141J-911Y	C RESISTOR	910Ω 1/4W J	
R1732	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
R1733	QRE141J-271Y	C RESISTOR	270Ω 1/4W J	
R1741	QRJ146J-221X	UNF C RESISTOR	220Ω 1/4W J	
R1751	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R1752	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R1753	QRZ0218-R22	EMIT RESISTOR	0.22Ω	
R1761	QRJ125J-330	UNF C RESISTOR	33Ω 1/2W J	
R1762	QRL027J-100	OMF RESISTOR	10Ω 2W J	
R1771	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
R1772	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
R1773	QRE141J-201Y	C RESISTOR	200Ω 1/4W J	
R1774	QRE141J-201Y	C RESISTOR	200Ω 1/4W J	
R1791	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R1793	QRE141J-183Y	C RESISTOR	18kΩ 1/4W J	
R1795	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R1801	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R1802	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R1803	QRE141J-683Y	C RESISTOR	68kΩ 1/4W J	
R1804	QRE141J-683Y	C RESISTOR	68kΩ 1/4W J	
R1805	QRE141J-202Y	C RESISTOR	2kΩ 1/4W J	
R1806	QRE141J-202Y	C RESISTOR	2kΩ 1/4W J	
R1809	QRE141J-123Y	C RESISTOR	12kΩ 1/4W J	
R1810	QRE141J-123Y	C RESISTOR	12kΩ 1/4W J	
R1811	QRE141J-331Y	C RESISTOR	330Ω 1/4W J	
R1812	QRE141J-331Y	C RESISTOR	330Ω 1/4W J	
R1813	QRE141J-563Y	C RESISTOR	56kΩ 1/4W J	
R1814	QRE141J-563Y	C RESISTOR	56kΩ 1/4W J	
R1821	QRJ146J-221X	UNF C RESISTOR	220Ω 1/4W J	
R1822	QRJ146J-221X	UNF C RESISTOR	220Ω 1/4W J	
R1823	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R1824	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R1825	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R1826	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R1827	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R1828	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R1829	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R1830	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R1831	QRE141J-911Y	C RESISTOR	910Ω 1/4W J	
R1832	QRE141J-911Y	C RESISTOR	910Ω 1/4W J	
R1833	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
R1834	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
R1835	QRE141J-271Y	C RESISTOR	270Ω 1/4W J	
R1836	QRE141J-271Y	C RESISTOR	270Ω 1/4W J	
R1841	QRJ146J-221X	UNF C RESISTOR	220Ω 1/4W J	
R1842	QRJ146J-221X	UNF C RESISTOR	220Ω 1/4W J	
R1851	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R1852	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R1853	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R1854	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R1855	QRZ0218-R22	EMIT RESISTOR	0.22Ω	
R1856	QRZ0218-R22	EMIT RESISTOR	0.22Ω	
R1861	QRJ125J-330	UNF C RESISTOR	33Ω 1/2W J	
R1862	QRJ125J-330	UNF C RESISTOR	33Ω 1/2W J	
R1863	QRL027J-100	OMF RESISTOR	10Ω 2W J	
R1864	QRL027J-100	OMF RESISTOR	10Ω 2W J	
R1871	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
R1872	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
R1873	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
R1874	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
R1875	QRE141J-201Y	C RESISTOR	200Ω 1/4W J	
R1876	QRE141J-201Y	C RESISTOR	200Ω 1/4W J	
R1877	QRE141J-201Y	C RESISTOR	200Ω 1/4W J	
R1878	QRE141J-201Y	C RESISTOR	200Ω 1/4W J	
R1891	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R1892	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R1893	QRE141J-183Y	C RESISTOR	18kΩ 1/4W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R1894	QRE141J-183Y	C RESISTOR	18kΩ 1/4W J	
R1895	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R1896	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R1901	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R1902	QRE141J-683Y	C RESISTOR	68kΩ 1/4W J	
R1903	QRE141J-202Y	C RESISTOR	2kΩ 1/4W J	
R1905	QRE141J-123Y	C RESISTOR	12kΩ 1/4W J	
R1911	QRE141J-331Y	C RESISTOR	330Ω 1/4W J	
R1912	QRE141J-563Y	C RESISTOR	56kΩ 1/4W J	
R1921	QRJ146J-221X	UNF C RESISTOR	220Ω 1/4W J	
R1922	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R1923	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R1924	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R1925	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R1931	QRE141J-911Y	C RESISTOR	910Ω 1/4W J	
R1932	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
R1933	QRE141J-271Y	C RESISTOR	270Ω 1/4W J	
R1941	QRJ146J-221X	UNF C RESISTOR	220Ω 1/4W J	
R1951	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R1952	QRJ146J-100X	UNF C RESISTOR	10Ω 1/4W J	
R1953	QRZ0218-R22	EMIT RESISTOR	0.22Ω	
R1961	QRJ125J-330	UNF C RESISTOR	33Ω 1/2W J	
R1962	QRL027J-100	OMF RESISTOR	10Ω 2W J	
R1971	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
R1972	QRE141J-391Y	C RESISTOR	390Ω 1/4W J	
R1973	QRE141J-201Y	C RESISTOR	200Ω 1/4W J	
R1991	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R1993	QRE141J-183Y	C RESISTOR	18kΩ 1/4W J	
R1994	QRE141J-201Y	C RESISTOR	200Ω 1/4W J	
R1995	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
VR787	QVP0008-501Z	TRIM RESISTOR	500Ω	
VR788	QVP0008-501Z	TRIM RESISTOR	500Ω	
L791	QQLZ003-1R0	COIL	1uH	
L792	QQLZ003-1R0	COIL	1uH	
L1761	QQLZ005-R45	COIL	0.45uH	
L1861	QQLZ005-R45	COIL	0.45uH	
L1862	QQLZ005-R45	COIL	0.45uH	
L1961	QQLZ005-R45	COIL	0.45uH	
CN711	QGB2510K1-12	CONNECTOR	B-B (1-12)	
CN712	QGB2510K1-12	CONNECTOR	B-B (1-12)	
CN713	QGB2510K1-10	CONNECTOR	B-B (1-10)	
CN714	QGA2501F1-02	CONNECTOR	W-B (1-2)	
CN715	QGB2510K1-12	CONNECTOR	B-B (1-12)	
CN716	QGB2510K1-12	CONNECTOR	B-B (1-12)	
CN717	QGA2001F1-03	CONNECTOR	W-B (1-3)	
CN718	QGB2510K1-10	CONNECTOR	B-B (1-10)	
CN719	QGA2501F1-03	CONNECTOR	W-B (1-3)	
CN722	QGA2001F1-02	CONNECTOR	W-B (1-2)	
TH731	QAD0012-202	THERMISTOR	2kΩ L	
TH783	QAD0012-202	THERMISTOR	2kΩ L	
TH784	QAD0012-202	THERMISTOR	2kΩ L	
TH831	QAD0012-202	THERMISTOR	2kΩ L	
TH832	QAD0012-202	THERMISTOR	2kΩ L	
TH901	QAD0012-202	THERMISTOR	2kΩ L	

Input board

Block No. [0][5][0][0]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC304	HA17558AF-X	IC	Ope. amp.	
IC380	TC9162AF-X	IC		
IC381	TC9459F-X	IC		
IC382	TC9459F-X	IC		
IC383	TC9459F-X	IC		
IC384	TC9459F-X	IC		
IC386	HA17558AF-X	IC	Ope. amp.	
IC397	HA17558AF-X	IC	Ope. amp.	
IC399	HA17558AF-X	IC	Ope. amp.	
Q1310	KRA104S-X	DIGI TRANSISTOR		
Q1313	2SC3576-JVC-T	TRANSISTOR		
Q1314	2SC3576-JVC-T	TRANSISTOR		
Q1324	2SC3576-JVC-T	TRANSISTOR		
Q1333	2SC3576-JVC-T	TRANSISTOR		
Q1334	2SC3576-JVC-T	TRANSISTOR		
Q1441	2SC3576-JVC-T	TRANSISTOR		
Q1445	2SC3576-JVC-T	TRANSISTOR		
Q1447	KRA104S-X	DIGI TRANSISTOR		
Q1490	KRA104S-X	DIGI TRANSISTOR		
Q1491	2SC3576-JVC-T	TRANSISTOR		
Q1492	2SC3576-JVC-T	TRANSISTOR		
C333	NCS31HJ-681X	C CAPACITOR	680pF 50V J	
C334	NCS31HJ-681X	C CAPACITOR	680pF 50V J	
C361	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C362	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C363	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C364	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1301	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1302	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1303	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C1309	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M	
C1310	QETN1CM-226Z	E CAPACITOR	22uF 16V M	
C1311	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1312	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1313	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1314	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1315	QER61HM-224Z	E CAPACITOR	0.22uF 50V M	
C1316	QER61HM-224Z	E CAPACITOR	0.22uF 50V M	
C1319	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C1321	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1322	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1323	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1324	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1325	QER61HM-224Z	E CAPACITOR	0.22uF 50V M	
C1326	QER61HM-224Z	E CAPACITOR	0.22uF 50V M	
C1329	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C1331	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1332	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1333	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1334	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1339	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C1341	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1343	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1344	QETN1CM-226Z	E CAPACITOR	22uF 16V M	
C1349	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C1350	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C1360	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	
C1361	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C1362	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C1363	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1364	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1365	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1366	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1367	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	
C1431	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1433	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1439	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1440	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1471	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1474	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1494	NCB31HK-331X	C CAPACITOR	330pF 50V K	
R333	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R334	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R361	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R362	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R363	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R364	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R365	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R366	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1301	QRZ9005-680X	F RESISTOR	68Ω	
R1302	QRZ9005-680X	F RESISTOR	68Ω	
R1303	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R1304	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R1305	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1306	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1307	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1308	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R1309	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R1310	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1311	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1312	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1313	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1314	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1315	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1316	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1321	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1322	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1324	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1326	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1331	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1332	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1333	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1334	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1335	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1336	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1341	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1342	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1343	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R1350	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1351	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1361	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1362	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1362	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1363	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1364	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1365	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1366	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1367	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1368	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1369	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1370	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1431	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1432	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1433	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R1434	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R1435	NRSA63J-912X	MG RESISTOR	9.1kΩ 1/16W J	
R1436	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R1437	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1439	QRZ9005-680X	F RESISTOR	68Ω	
R1440	QRZ9005-680X	F RESISTOR	68Ω	
R1441	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1443	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1445	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1446	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1447	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R1471	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1472	NRSA63J-511X	MG RESISTOR	510Ω 1/16W J	
R1473	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R1474	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1475	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R1476	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1478	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1486	NRSA63J-511X	MG RESISTOR	510Ω 1/16W J	
R1487	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1490	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1505	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
CN205	QGB1214J1-10S	CONNECTOR	B-B (1-10)	
CN361	QGB1214J1-06S	CONNECTOR	B-B (1-6)	
CN381	QGB1214J1-18S	CONNECTOR	B-B (1-18)	
CN501	QGB1214J1-14S	CONNECTOR	B-B (1-14)	
CN731	QJP002-021901	SHI CR C-B WIRE		
CN732	QJP001-031701	SHI CR C-B WIRE		
CN733	QJP017-021701	SHI CR C-B WIRE		
CN734	WJP0047-001A	E-SH C WIRE C-B		
CN735	QJP007-031301	CONNECTOR		
J1350	QNS0089-001	3.5 JACK		
J1360	QNN0548-001	4PIN JACK ASSY		
J1490	QNN0284-001	PIN JACK		
J1491	QNN0284-001	PIN JACK		

DSP board

Block No. [0][6][0][0]

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC501	DSPD56367PV150	IC	DSP	
IC502	NC7SU04P5-X	IC(DIGITAL)	Invereter	
IC503	NC7S04P5-X	IC(DIGITAL)	Invereter	
IC505	PQ070XZ1HZ-X	IC	Regulator	
IC506	MM1563DF-X	IC	Regulator	
IC507	PQ20VZ11-X	IC		
IC511	39VF0207CWHR01	IC	EEPROM	
IC512	IC63LV102410K-X	IC	CMOS SRAM	
IC513	IC63LV102410K-X	IC	CMOS SRAM	
IC514	IC63LV102410K-X	IC	CMOS SRAM	
IC520	HA17558AF-X	IC	Ope. amp.	
IC521	HA17558AF-X	IC	Ope. amp.	
IC522	HA17558AF-X	IC	Ope. amp.	
IC523	HA17558AF-X	IC	Ope. amp.	
IC524	HA17558AF-X	IC	Ope. amp.	
IC525	HA17558AF-X	IC	Ope. amp.	
IC526	HA17558AF-X	IC	Ope. amp.	
IC527	NJM2121M-X	IC	Op amp.	
IC528	HA17558AF-X	IC	Ope. amp.	
IC529	HA17558AF-X	IC	Ope. amp.	
IC530	HA17558AF-X	IC	Ope. amp.	
IC551	AK4112BVF-X	IC(MICRO C ROM)		
IC561	MN35505-X	IC	DAC	
IC571	AK4527BVQP	IC	A/D D/A converter	
IC572	NC7WZ125K8-X	IC	Dual buffer with 3-state outputs	
IC573	NC7SZ74K8-X	IC	Clock buffer	
IC581	UPD784215AGC196	IC	CPU	
IC582	NC7ST32P5-X	IC(DIGITAL)	2-Input OR Gate	
IC583	MM1563DF-X	IC	Regulator	
Q570	DTC114YE-X	TRANSISTOR		
Q572	DTC114YE-X	TRANSISTOR		
Q2101	2SD2114K/VW/-X	TRANSISTOR		
Q2131	2SD2114K/VW/-X	TRANSISTOR		
Q2151	DTA114YE-X	TRANSISTOR		
Q2152	DTC114YE-X	TRANSISTOR		
Q2154	DTA114YE-X	TRANSISTOR		
Q2155	DTA114YE-X	TRANSISTOR		
Q2156	DTA114YE-X	TRANSISTOR		
Q2157	DTA114YE-X	TRANSISTOR		
Q2158	DTA114YE-X	TRANSISTOR		
Q2201	2SD2114K/VW/-X	TRANSISTOR		
Q2202	2SD2114K/VW/-X	TRANSISTOR		
Q2273	2SC2412K/RS/-X	TRANSISTOR		
Q2274	2SC2412K/RS/-X	TRANSISTOR		
Q2301	2SD2114K/VW/-X	TRANSISTOR		
Q2302	2SD2114K/VW/-X	TRANSISTOR		
Q2363	2SD2114K/VW/-X	TRANSISTOR		
Q2364	2SD2114K/VW/-X	TRANSISTOR		
Q2375	2SC2412K/RS/-X	TRANSISTOR		
Q2376	2SC2412K/RS/-X	TRANSISTOR		
Q2401	2SD2114K/VW/-X	TRANSISTOR		
Q2431	2SC2412K/RS/-X	TRANSISTOR		
Q2801	2SD2114K/VW/-X	TRANSISTOR		
C571	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C572	NEA70GM-107X	E CAPACITOR	100uF 4V M	
C573	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C577	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C579	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C581	NEA71CM-106X	E CAPACITOR	10uF 16V M	
C582	NEA71CM-106X	E CAPACITOR	10uF 16V M	
C583	NEA70JM-476X	E CAPACITOR	47uF 6.3V M	
C584	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C587	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C588	NEA70JM-227X	E CAPACITOR	220uF 6.3V M	
C589	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C590	NEA70GM-107X	E CAPACITOR	100uF 4V M	
C591	NCS31HJ-471X	C CAPACITOR	470pF 50V J	
C2001	NEA71EM-475X	E CAPACITOR	4.7uF 25V M	
C2002	NEA71EM-475X	E CAPACITOR	4.7uF 25V M	
C2003	NCB31HK-122X	C CAPACITOR	1200pF 50V K	
C2004	NCB31HK-122X	C CAPACITOR	1200pF 50V K	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C2005	NCS31HK-121X	C CAPACITOR	120pF 50V K	
C2006	NCS31HK-121X	C CAPACITOR	120pF 50V K	
C2007	NCS31HJ-391X	C CAPACITOR	390pF 50V J	
C2008	NCS31HJ-391X	C CAPACITOR	390pF 50V J	
C2009	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2010	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2013	NCS31HJ-330X	C CAPACITOR	33pF 50V J	
C2014	NCS31HJ-330X	C CAPACITOR	33pF 50V J	
C2018	NEA70JM-476X	E CAPACITOR	47uF 6.3V M	
C2019	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2020	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2021	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C2022	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C2101	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C2107	NEA71EM-475X	E CAPACITOR	4.7uF 25V M	
C2127	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2128	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2130	NEA71HM-475X	E CAPACITOR	4.7uF 50V M	
C2131	NCB31CK-823X	C CAPACITOR	0.082uF 16V K	
C2132	NFV41HJ-333X	C CAPACITOR	0.033uF 50V J	
C2152	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2153	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2154	NCB31CK-823X	C CAPACITOR	0.082uF 16V K	
C2155	NFV41HJ-333X	C CAPACITOR	0.033uF 50V J	
C2181	NCS31HJ-330X	C CAPACITOR	33pF 50V J	
C2182	NEA71EM-475X	E CAPACITOR	4.7uF 25V M	
C2201	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C2202	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C2207	NEA71HM-475X	E CAPACITOR	4.7uF 50V M	
C2208	NEA71HM-475X	E CAPACITOR	4.7uF 50V M	
C2211	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C2212	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C2213	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2214	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2215	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C2216	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C2230	NEA71HM-475X	E CAPACITOR	4.7uF 50V M	
C2237	NCS31HJ-330X	C CAPACITOR	33pF 50V J	
C2238	NCS31HJ-330X	C CAPACITOR	33pF 50V J	
C2241	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2242	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2243	NCS31HJ-181X	C CAPACITOR	180pF 50V J	
C2244	NCS31HJ-181X	C CAPACITOR	180pF 50V J	
C2245	NCB31CK-683X	C CAPACITOR	0.068uF 16V K	
C2246	NCB31CK-683X	C CAPACITOR	0.068uF 16V K	
C2247	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C2248	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C2251	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2252	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2255	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2256	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2261	NEA71CM-106X	E CAPACITOR	10uF 16V M	
C2262	NCF21CZ-155X	C CAPACITOR	1.5uF 16V Z	
C2263	NEA71CM-106X	E CAPACITOR	10uF 16V M	
C2264	NCF21CZ-155X	C CAPACITOR	1.5uF 16V Z	
C2265	NEA71CM-106X	E CAPACITOR	10uF 16V M	
C2266	NCF21CZ-155X	C CAPACITOR	1.5uF 16V Z	
C2267	NCF21CZ-155X	C CAPACITOR	1.5uF 16V Z	
C2268	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2269	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2270	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
C2271	NEA71EM-475X	E CAPACITOR	4.7uF 25V M	
C2272	NEA71EM-475X	E CAPACITOR	4.7uF 25V M	
C2281	NEA71EM-475X	E CAPACITOR	4.7uF 25V M	
C2282	NEA71EM-475X	E CAPACITOR	4.7uF 25V M	
C2283	NCS31HJ-330X	C CAPACITOR	33pF 50V J	
C2284	NCS31HJ-330X	C CAPACITOR	33pF 50V J	
C2301	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C2302	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C2307	NEA71HM-225X	E CAPACITOR	2.2uF 50V M	
C2308	NEA71HM-225X	E CAPACITOR	2.2uF 50V M	
C2351	NEA71HM-105X	E CAPACITOR	1uF 50V M	
C2352	NEA71HM-105X	E CAPACITOR	1uF 50V M	
C2353	NCS31HJ-330X	C CAPACITOR	33pF 50V J	
C2354	NCS31HJ-330X	C CAPACITOR	33pF 50V J	
C2355	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2356	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2357	NEA71HM-225X	E CAPACITOR	2.2uF 50V M	
C2358	NEA71HM-225X	E CAPACITOR	2.2uF 50V M	
C2359	NCS31HJ-821X	C CAPACITOR	820pF 50V J	
C2360	NCS31HJ-821X	C CAPACITOR	820pF 50V J	
C2401	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C2407	NEA71HM-225X	E CAPACITOR	2.2uF 50V M	
C2431	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2432	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2433	NCS31HJ-330X	C CAPACITOR	33pF 50V J	
C2434	NEA71HM-225X	E CAPACITOR	2.2uF 50V M	
C2435	NCS31HJ-821X	C CAPACITOR	820pF 50V J	
C2481	NEA70JM-476X	E CAPACITOR	47uF 6.3V M	
C2501	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	
C2502	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2503	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2504	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2505	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2506	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2507	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2508	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2509	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2510	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2511	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2512	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2513	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2514	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2515	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2516	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2517	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2518	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2519	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2520	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2521	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2522	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2523	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2524	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2525	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2529	NEA70GM-107X	E CAPACITOR	100uF 4V M	
C2530	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2531	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2532	NEA70GM-107X	E CAPACITOR	100uF 4V M	
C2533	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2534	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2535	NEA70GM-107X	E CAPACITOR	100uF 4V M	
C2536	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2537	NEA70GM-107X	E CAPACITOR	100uF 4V M	
C2538	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2539	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2540	NCS31HJ-471X	C CAPACITOR	470pF 50V J	
C2560	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2561	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2562	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2563	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2565	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C2568	NEA71HM-105X	E CAPACITOR	1uF 50V M	
C2571	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2572	NEA70GM-107X	E CAPACITOR	100uF 4V M	
C2573	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2574	NEA70GM-107X	E CAPACITOR	100uF 4V M	
C2575	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2576	NEA70GM-107X	E CAPACITOR	100uF 4V M	
C2605	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C2606	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C2607	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C2608	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C2609	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C2701	NCS31HJ-100X	C CAPACITOR	10pF 50V J	
C2702	NCS31HJ-100X	C CAPACITOR	10pF 50V J	
C2703	NEA71HM-225X	E CAPACITOR	2.2uF 50V M	
C2704	NEA71CM-106X	E CAPACITOR	10uF 16V M	
C2705	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2706	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2707	NEA71CM-106X	E CAPACITOR	10uF 16V M	
C2708	NEA71CM-106X	E CAPACITOR	10uF 16V M	
C2709	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2710	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2711	NEA71CM-106X	E CAPACITOR	10uF 16V M	
C2712	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2713	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C2715	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C2801	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C2807	NEA71HM-225X	E CAPACITOR	2.2uF 50V M	
C2853	NCS31HJ-330X	C CAPACITOR	33pF 50V J	
C2855	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2856	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2857	NEA71HM-225X	E CAPACITOR	2.2uF 50V M	
C2859	NCS31HJ-821X	C CAPACITOR	820pF 50V J	
R570	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R573	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R574	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R575	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R576	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R577	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R578	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R579	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R580	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R582	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R585	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R586	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R587	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R588	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2001	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2002	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2003	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2004	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2006	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2007	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2008	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2009	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2010	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2011	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2012	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2013	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2014	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2017	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2018	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2021	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R2022	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R2023	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R2024	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R2101	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2105	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2107	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2127	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2128	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2129	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R2130	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2131	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2132	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2133	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2151	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R2152	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2153	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2171	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R2172	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R2181	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2182	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R2183	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2191	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R2194	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R2195	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R2196	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R2197	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R2198	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R2201	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2202	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2205	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2206	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2207	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2208	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2211	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2212	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2213	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2214	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2215	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2216	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2221	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2222	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2223	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R2225	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2226	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2227	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2231	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R2232	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R2233	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2234	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2235	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2236	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2237	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2238	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2241	NRSA63J-163X	MG RESISTOR	16kΩ 1/16W J	
R2242	NRSA63J-163X	MG RESISTOR	16kΩ 1/16W J	
R2243	NRSA63J-162X	MG RESISTOR	1.6kΩ 1/16W J	
R2244	NRSA63J-162X	MG RESISTOR	1.6kΩ 1/16W J	
R2245	NRSA63F-163X	MG RESISTOR	16kΩ 1/16W F	
R2246	NRSA63F-163X	MG RESISTOR	16kΩ 1/16W F	
R2247	NRSA63F-163X	MG RESISTOR	16kΩ 1/16W F	
R2248	NRSA63F-163X	MG RESISTOR	16kΩ 1/16W F	
R2249	NRSA63J-362X	MG RESISTOR	3.6kΩ 1/16W J	
R2250	NRSA63J-362X	MG RESISTOR	3.6kΩ 1/16W J	
R2251	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R2252	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R2253	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R2254	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R2255	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R2256	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R2260	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R2261	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2262	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2263	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2264	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2265	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R2267	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R2268	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2269	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2270	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2271	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2273	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2274	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2275	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R2276	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R2277	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R2278	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R2279	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2280	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2281	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2282	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2283	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2284	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2301	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2302	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2303	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2304	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2305	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2306	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2307	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2308	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2353	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2354	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2355	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2356	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2357	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2358	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2359	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R2360	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R2361	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2362	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2363	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2364	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2373	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2374	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2375	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R2376	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R2401	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2405	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2407	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2425	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2431	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2432	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R2433	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R2434	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2435	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2485	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2501	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R2502	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2503	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2504	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2505	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2506	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2507	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2508	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2509	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2510	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2511	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2512	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2513	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2514	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2515	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2516	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2517	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2518	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2519	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2520	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2521	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2522	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2523	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2524	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2525	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2526	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2527	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2531	NRSA63F-511X	MG RESISTOR	510Ω 1/16W F	
R2532	NRSA63F-102X	MG RESISTOR	1kΩ 1/16W F	
R2535	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R2536	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2560	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2561	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2562	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2563	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2565	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2568	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2575	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2576	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2577	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2578	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2579	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2580	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2581	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2582	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2583	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2584	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2586	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2587	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2588	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2589	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2590	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2591	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2592	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2593	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2594	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2597	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2599	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2611	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2612	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2613	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2614	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2615	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2616	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2620	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2621	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2622	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2623	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2624	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2625	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2626	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2627	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2628	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2629	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2630	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2631	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2632	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2633	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2634	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2635	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2636	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2701	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2702	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2703	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2704	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2705	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R2711	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2712	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2713	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2801	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2805	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2807	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2857	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2859	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R2861	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2863	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
CN581	QGB1214K1-14S	CONNECTOR	B-B (1-14)	
CN587	QGB2510K1-07	CONNECTOR	B-B (1-7)	
CN588	QGF1205C1-06	CONNECTOR	FFC/FPC (1-6)	
EP561	E409182-001SM	GRAND TERMINAL		
J564	QNN0347-001	SURROUND JACK		
K2261	NQR0007-003X	FERRITE BEADS		
K2262	NQR0007-003X	FERRITE BEADS		
K2263	NQR0007-003X	FERRITE BEADS		
K2264	NQR0007-003X	FERRITE BEADS		
K2606	NQR0269-004X	FERRITE BEADS		
LC505	NQR0450-001X	EMI FILTER	0.022uF 50V M	
LC506	NQR0450-001X	EMI FILTER	0.022uF 50V M	
LC507	NQR0450-001X	EMI FILTER	0.022uF 50V M	
UN560	GP1FA351TZ	OPT TRANSMITTER		
UN561	GP1FA351RZ	OPT RECEIVER	Fiber optic receiver	
UN562	GP1FA351RZ	OPT RECEIVER	Fiber optic receiver	
UN563	GP1FA351RZ	OPT RECEIVER	Fiber optic receiver	
X581	NAX0275-001X	C OSCILLATOR	6.144MHz	
X2501	NAX0308-001X	C RESONATOR	12.500MHz	
X2701	NAX0435-001X	CRYSTAL	24.576MHz	
IC501	DSPD56367PV150	IC	DSP	
IC502	NC7SU04P5-X	IC(DIGITAL)	Invereter	
IC503	NC7S04P5-X	IC(DIGITAL)	Invereter	
IC505	PQ070XZ1HZ-X	IC	Regulator	
IC506	MM1563DF-X	IC	Regulator	
IC507	PQ20VZ11-X	IC		
IC511	39VF0207CWHR01	IC	EEPROM	
IC512	IC63LV102410K-X	IC	CMOS SRAM	
IC513	IC63LV102410K-X	IC	CMOS SRAM	
IC514	IC63LV102410K-X	IC	CMOS SRAM	
IC520	HA17558AF-X	IC	Ope. amp.	
IC521	HA17558AF-X	IC	Ope. amp.	
IC522	HA17558AF-X	IC	Ope. amp.	
IC523	HA17558AF-X	IC	Ope. amp.	
IC524	HA17558AF-X	IC	Ope. amp.	
IC525	HA17558AF-X	IC	Ope. amp.	
IC526	HA17558AF-X	IC	Ope. amp.	
IC527	NJM2121M-X	IC	Op amp.	
IC528	HA17558AF-X	IC	Ope. amp.	
IC529	HA17558AF-X	IC	Ope. amp.	
IC530	HA17558AF-X	IC	Ope. amp.	
IC551	AK4112BVF-X	IC(MICRO C ROM)		
IC561	MN35505-X	IC	DAC	
IC571	AK4527BVQP	IC	A/D D/A converter	
IC572	NC7WZ125K8-X	IC	Dual buffer with 3-state outputs	
IC573	NC7SZ74K8-X	IC	Clock buffer	
IC581	UPD784215AGC196	IC	CPU	
IC582	NC7ST32P5-X	IC(DIGITAL)	2-Input OR Gate	

⚠ Symbol No.	Part No.	Part Name	Description	Local
IC583	MM1563DF-X	IC	Regulator	
Q570	DTC114YE-X	TRANSISTOR		
Q572	DTC114YE-X	TRANSISTOR		
Q2101	2SD2114K/VW/-X	TRANSISTOR		
Q2131	2SD2114K/VW/-X	TRANSISTOR		
Q2151	DTA114YE-X	TRANSISTOR		
Q2152	DTC114YE-X	TRANSISTOR		
Q2154	DTA114YE-X	TRANSISTOR		
Q2155	DTA114YE-X	TRANSISTOR		
Q2156	DTA114YE-X	TRANSISTOR		
Q2157	DTA114YE-X	TRANSISTOR		
Q2158	DTA114YE-X	TRANSISTOR		
Q2201	2SD2114K/VW/-X	TRANSISTOR		
Q2202	2SD2114K/VW/-X	TRANSISTOR		
Q2273	2SC2412K/RS/-X	TRANSISTOR		
Q2274	2SC2412K/RS/-X	TRANSISTOR		
Q2301	2SD2114K/VW/-X	TRANSISTOR		
Q2302	2SD2114K/VW/-X	TRANSISTOR		
Q2363	2SD2114K/VW/-X	TRANSISTOR		
Q2364	2SD2114K/VW/-X	TRANSISTOR		
Q2375	2SC2412K/RS/-X	TRANSISTOR		
Q2376	2SC2412K/RS/-X	TRANSISTOR		
Q2401	2SD2114K/VW/-X	TRANSISTOR		
Q2431	2SC2412K/RS/-X	TRANSISTOR		
Q2801	2SD2114K/VW/-X	TRANSISTOR		
C571	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C572	NEA70GM-107X	E CAPACITOR	100uF 4V M	
C573	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C577	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C579	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C581	NEA71CM-106X	E CAPACITOR	10uF 16V M	
C582	NEA71CM-106X	E CAPACITOR	10uF 16V M	
C583	NEA70JM-476X	E CAPACITOR	47uF 6.3V M	
C584	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C587	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C588	NEA70JM-227X	E CAPACITOR	220uF 6.3V M	
C589	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C590	NEA70GM-107X	E CAPACITOR	100uF 4V M	
C591	NCS31HJ-471X	C CAPACITOR	470pF 50V J	
C2001	NEA71EM-475X	E CAPACITOR	4.7uF 25V M	
C2002	NEA71EM-475X	E CAPACITOR	4.7uF 25V M	
C2003	NCB31HK-122X	C CAPACITOR	1200pF 50V K	
C2004	NCB31HK-122X	C CAPACITOR	1200pF 50V K	
C2005	NCS31HK-121X	C CAPACITOR	120pF 50V K	
C2006	NCS31HK-121X	C CAPACITOR	120pF 50V K	
C2007	NCS31HJ-391X	C CAPACITOR	390pF 50V J	
C2008	NCS31HJ-391X	C CAPACITOR	390pF 50V J	
C2009	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2010	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2013	NCS31HJ-330X	C CAPACITOR	33pF 50V J	
C2014	NCS31HJ-330X	C CAPACITOR	33pF 50V J	
C2018	NEA70JM-476X	E CAPACITOR	47uF 6.3V M	
C2019	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2020	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2021	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C2022	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C2101	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C2107	NEA71EM-475X	E CAPACITOR	4.7uF 25V M	
C2127	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2128	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2130	NEA71HM-475X	E CAPACITOR	4.7uF 50V M	
C2131	NCB31CK-823X	C CAPACITOR	0.082uF 16V K	
C2132	NFV41HJ-333X	C CAPACITOR	0.033uF 50V J	
C2152	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2153	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2154	NCB31CK-823X	C CAPACITOR	0.082uF 16V K	
C2155	NFV41HJ-333X	C CAPACITOR	0.033uF 50V J	
C2181	NCS31HJ-330X	C CAPACITOR	33pF 50V J	
C2182	NEA71EM-475X	E CAPACITOR	4.7uF 25V M	
C2201	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C2202	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C2207	NEA71HM-475X	E CAPACITOR	4.7uF 50V M	
C2208	NEA71HM-475X	E CAPACITOR	4.7uF 50V M	
C2211	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C2212	NCB31HK-331X	C CAPACITOR	330pF 50V K	
C2213	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C2214	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2215	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C2216	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C2230	NEA71HM-475X	E CAPACITOR	4.7uF 50V M	
C2237	NCS31HJ-330X	C CAPACITOR	33pF 50V J	
C2238	NCS31HJ-330X	C CAPACITOR	33pF 50V J	
C2241	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2242	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2243	NCS31HJ-181X	C CAPACITOR	180pF 50V J	
C2244	NCS31HJ-181X	C CAPACITOR	180pF 50V J	
C2245	NCB31CK-683X	C CAPACITOR	0.068uF 16V K	
C2246	NCB31CK-683X	C CAPACITOR	0.068uF 16V K	
C2247	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C2248	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C2251	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2252	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2255	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2256	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2261	NEA71CM-106X	E CAPACITOR	10uF 16V M	
C2262	NCF21CZ-155X	C CAPACITOR	1.5uF 16V Z	
C2263	NEA71CM-106X	E CAPACITOR	10uF 16V M	
C2264	NCF21CZ-155X	C CAPACITOR	1.5uF 16V Z	
C2265	NEA71CM-106X	E CAPACITOR	10uF 16V M	
C2266	NCF21CZ-155X	C CAPACITOR	1.5uF 16V Z	
C2267	NCF21CZ-155X	C CAPACITOR	1.5uF 16V Z	
C2268	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
C2269	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2270	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
C2271	NEA71EM-475X	E CAPACITOR	4.7uF 25V M	
C2272	NEA71EM-475X	E CAPACITOR	4.7uF 25V M	
C2281	NEA71EM-475X	E CAPACITOR	4.7uF 25V M	
C2282	NEA71EM-475X	E CAPACITOR	4.7uF 25V M	
C2283	NCS31HJ-330X	C CAPACITOR	33pF 50V J	
C2284	NCS31HJ-330X	C CAPACITOR	33pF 50V J	
C2301	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C2302	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C2307	NEA71HM-225X	E CAPACITOR	2.2uF 50V M	
C2308	NEA71HM-225X	E CAPACITOR	2.2uF 50V M	
C2351	NEA71HM-105X	E CAPACITOR	1uF 50V M	
C2352	NEA71HM-105X	E CAPACITOR	1uF 50V M	
C2353	NCS31HJ-330X	C CAPACITOR	33pF 50V J	
C2354	NCS31HJ-330X	C CAPACITOR	33pF 50V J	
C2355	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2356	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2357	NEA71HM-225X	E CAPACITOR	2.2uF 50V M	
C2358	NEA71HM-225X	E CAPACITOR	2.2uF 50V M	
C2359	NCS31HJ-821X	C CAPACITOR	820pF 50V J	
C2360	NCS31HJ-821X	C CAPACITOR	820pF 50V J	
C2401	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C2407	NEA71HM-225X	E CAPACITOR	2.2uF 50V M	
C2431	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2432	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2433	NCS31HJ-330X	C CAPACITOR	33pF 50V J	
C2434	NEA71HM-225X	E CAPACITOR	2.2uF 50V M	
C2435	NCS31HJ-821X	C CAPACITOR	820pF 50V J	
C2481	NEA70JM-476X	E CAPACITOR	47uF 6.3V M	
C2501	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	
C2502	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2503	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2504	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2505	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2506	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2507	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2508	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2509	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2510	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2511	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2512	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2513	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2514	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2515	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2516	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2517	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2518	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2519	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2520	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2521	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2522	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	

⚠ Symbol No.	Part No.	Part Name	Description	Local
C2523	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2524	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2525	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2529	NEA70GM-107X	E CAPACITOR	100uF 4V M	
C2530	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2531	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2532	NEA70GM-107X	E CAPACITOR	100uF 4V M	
C2533	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2534	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2535	NEA70GM-107X	E CAPACITOR	100uF 4V M	
C2536	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2537	NEA70GM-107X	E CAPACITOR	100uF 4V M	
C2538	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2539	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2540	NCS31HJ-471X	C CAPACITOR	470pF 50V J	
C2560	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2561	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2562	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2563	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2565	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C2568	NEA71HM-105X	E CAPACITOR	1uF 50V M	
C2571	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2572	NEA70GM-107X	E CAPACITOR	100uF 4V M	
C2573	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2574	NEA70GM-107X	E CAPACITOR	100uF 4V M	
C2575	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2576	NEA70GM-107X	E CAPACITOR	100uF 4V M	
C2605	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C2606	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C2607	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C2608	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C2609	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C2701	NCS31HJ-100X	C CAPACITOR	10pF 50V J	
C2702	NCS31HJ-100X	C CAPACITOR	10pF 50V J	
C2703	NEA71HM-225X	E CAPACITOR	2.2uF 50V M	
C2704	NEA71CM-106X	E CAPACITOR	10uF 16V M	
C2705	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2706	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2707	NEA71CM-106X	E CAPACITOR	10uF 16V M	
C2708	NEA71CM-106X	E CAPACITOR	10uF 16V M	
C2709	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2710	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2711	NEA71CM-106X	E CAPACITOR	10uF 16V M	
C2712	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2713	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2715	NCS31HJ-101X	C CAPACITOR	100pF 50V J	
C2801	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C2807	NEA71HM-225X	E CAPACITOR	2.2uF 50V M	
C2853	NCS31HJ-330X	C CAPACITOR	33pF 50V J	
C2855	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2856	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2857	NEA71HM-225X	E CAPACITOR	2.2uF 50V M	
C2859	NCS31HJ-821X	C CAPACITOR	820pF 50V J	
R570	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R573	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R574	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R575	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R576	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R577	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R578	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R579	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R580	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R582	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R585	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R586	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R587	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R588	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2001	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2002	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2003	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2004	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2006	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2007	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2008	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2009	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2010	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	

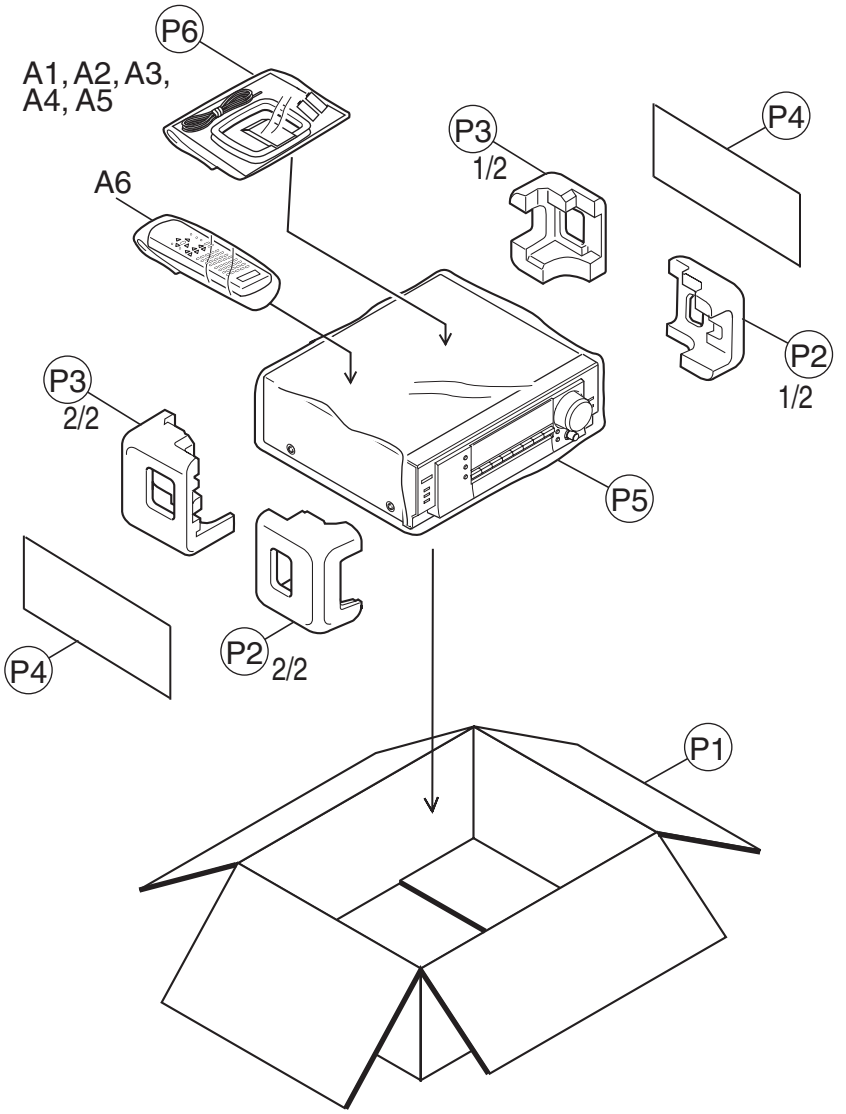
⚠ Symbol No.	Part No.	Part Name	Description	Local
R2011	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2012	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2013	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2014	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R2017	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2018	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2021	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R2022	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R2023	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R2024	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R2101	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2105	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2107	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2127	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2128	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2129	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R2130	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2131	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2132	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2133	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2151	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R2152	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2153	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2171	NRSA63J-432X	MG RESISTOR	4.3kΩ 1/16W J	
R2172	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R2181	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2182	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R2183	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2191	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R2194	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R2195	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R2196	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R2197	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R2198	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R2201	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2202	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2205	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2206	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2207	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2208	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2211	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2212	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2213	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2214	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2215	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2216	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2221	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2222	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2223	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R2225	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2226	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2227	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2231	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R2232	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R2233	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2234	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2235	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2236	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2237	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2238	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R2241	NRSA63J-163X	MG RESISTOR	16kΩ 1/16W J	
R2242	NRSA63J-163X	MG RESISTOR	16kΩ 1/16W J	
R2243	NRSA63J-162X	MG RESISTOR	1.6kΩ 1/16W J	
R2244	NRSA63J-162X	MG RESISTOR	1.6kΩ 1/16W J	
R2245	NRSA63F-163X	MG RESISTOR	16kΩ 1/16W F	
R2246	NRSA63F-163X	MG RESISTOR	16kΩ 1/16W F	
R2247	NRSA63F-163X	MG RESISTOR	16kΩ 1/16W F	
R2248	NRSA63F-163X	MG RESISTOR	16kΩ 1/16W F	
R2249	NRSA63J-362X	MG RESISTOR	3.6kΩ 1/16W J	
R2250	NRSA63J-362X	MG RESISTOR	3.6kΩ 1/16W J	
R2251	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R2252	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R2253	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R2254	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R2255	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R2256	NRSA63J-243X	MG RESISTOR	24kΩ 1/16W J	
R2260	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R2261	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	

⚠ Symbol No.	Part No.	Part Name	Description	Local
R2262	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2263	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2264	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2265	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R2267	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R2268	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2269	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2270	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2271	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2273	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2274	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2275	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R2276	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R2277	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R2278	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R2279	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2280	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2281	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2282	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2283	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2284	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2301	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2302	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2303	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2304	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2305	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2306	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2307	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2308	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2353	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2354	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2355	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2356	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2357	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2358	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2359	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R2360	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R2361	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2362	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2363	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2364	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2373	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2374	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2375	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R2376	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R2401	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2405	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2407	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2425	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2431	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2432	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R2433	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R2434	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2435	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2485	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2501	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R2502	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2503	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2504	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2505	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2506	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2507	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2508	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2509	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2510	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2511	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2512	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2513	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2514	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2515	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2516	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2517	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2518	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2519	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2520	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2521	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2522	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2523	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2524	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2525	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2526	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2527	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2531	NRSA63F-511X	MG RESISTOR	510Ω 1/16W F	
R2532	NRSA63F-102X	MG RESISTOR	1kΩ 1/16W F	
R2535	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R2536	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2560	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2561	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2562	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2563	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2565	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2568	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2575	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2576	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2577	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2578	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2579	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2580	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2581	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2582	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2583	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2584	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2586	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2587	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2588	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2589	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2590	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2591	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2592	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2593	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2594	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2597	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2599	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2611	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2612	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2613	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2614	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2615	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2616	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2620	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2621	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2622	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2623	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2624	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2625	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2626	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2627	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2628	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2629	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2630	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2631	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2632	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2633	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2634	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2635	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2636	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R2701	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2702	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2703	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2704	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2705	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R2711	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2712	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2713	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R2801	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2805	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2807	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2857	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2859	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R2861	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2863	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
CN581	QGB1214K1-14S	CONNECTOR	B-B (1-14)	
CN587	QGB2510K1-07	CONNECTOR	B-B (1-7)	
CN588	QGF1205C1-06	CONNECTOR	FFC/FPC (1-6)	
EP561	E409182-001SM	GRAND TERMINAL		

⚠ Symbol No.	Part No.	Part Name	Description	Local
J564	QNN0347-001	SURROUND JACK		
K2261	NQR0007-003X	FERRITE BEADS		
K2262	NQR0007-003X	FERRITE BEADS		
K2263	NQR0007-003X	FERRITE BEADS		
K2264	NQR0007-003X	FERRITE BEADS		
K2606	NQR0269-004X	FERRITE BEADS		
LC505	NQR0450-001X	EMI FILTER	0.022uF 50V M	
LC506	NQR0450-001X	EMI FILTER	0.022uF 50V M	
LC507	NQR0450-001X	EMI FILTER	0.022uF 50V M	
UN560	GP1FA351TZ	OPT TRANSMITTER		
UN561	GP1FA351RZ	OPT RECEIVER	Fiber optic receiver	
UN562	GP1FA351RZ	OPT RECEIVER	Fiber optic receiver	
UN563	GP1FA351RZ	OPT RECEIVER	Fiber optic receiver	
X581	NAX0275-001X	C OSCILLATOR	6.144MHz	
X2501	NAX0308-001X	C RESONATOR	12.500MHz	
X2701	NAX0435-001X	CRYSTAL	24.576MHz	

Packing materials and accessories parts list

Block No. M 3 M M



Packing and accessories

Block No. [M][3][M][M]

⚠ Symbol No.	Part No.	Part Name	Description	Local
A 1	LVT1007-007A	INST BOOK	GER,FRE,DUT	7032VSL E
A 1	LVT1007-008A	INST BOOK	SWE,FIN,DAN,GER, FRE,SPA,ITA	7032VSL EN
A 1	LVT1007-009A	INST BOOK	CZE,POL,HUN,RUS	7032VSL EV
A 2	EWP503-001C	ANT.WIRE		
A 3	QAL0014-001	AM LOOP ANT		
A 4	BT-54013-6	WARRANTY CARD		
A 5	----------	BATTERY	(x2)	
A 6	RM-SRX7032R	REMOCON		

⚠ Symbol No.	Part No.	Part Name	Description	Local
P 1	LV21445-004A	CARTON BOX		7032VSL E, 7032VSL EN
P 1	LV21445-007A	CARTON BOX		7032VSL EV
P 2	LV20947-001A	PACKING PAD(F)		
P 3	LV20948-002A	PACKING PAD(R)		
P 4	LV32034-004A	SHEET	(x2)	
P 5	QPC06507015P	POLY BAG	65cm x 70cm	
P 6	QPA02503505P	POLY BAG	25cm x 35cm	

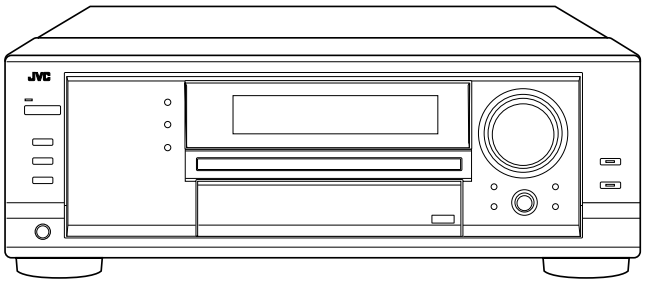
JVC

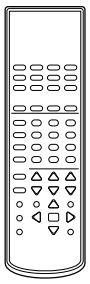
SCHEMATIC DIAGRAMS

AUDIO/VIDEO CONTROL RECEIVER

RX-7032VSL

CD-ROM No.SML200308





DOLBY DIGITAL • EX PRO LOGIC II

R·D·S

dts 96 24 ES Neo:6

COMPU LINK Remote

Area Suffix	
E	Continental Europe
EN	Northern Europe
EV	Eastern Europe

Contents

Block diagrams ---------- 2-1
Standard schematic diagrams ---------- 2-3
Printed circuit boards ---------- 2-13 to 18

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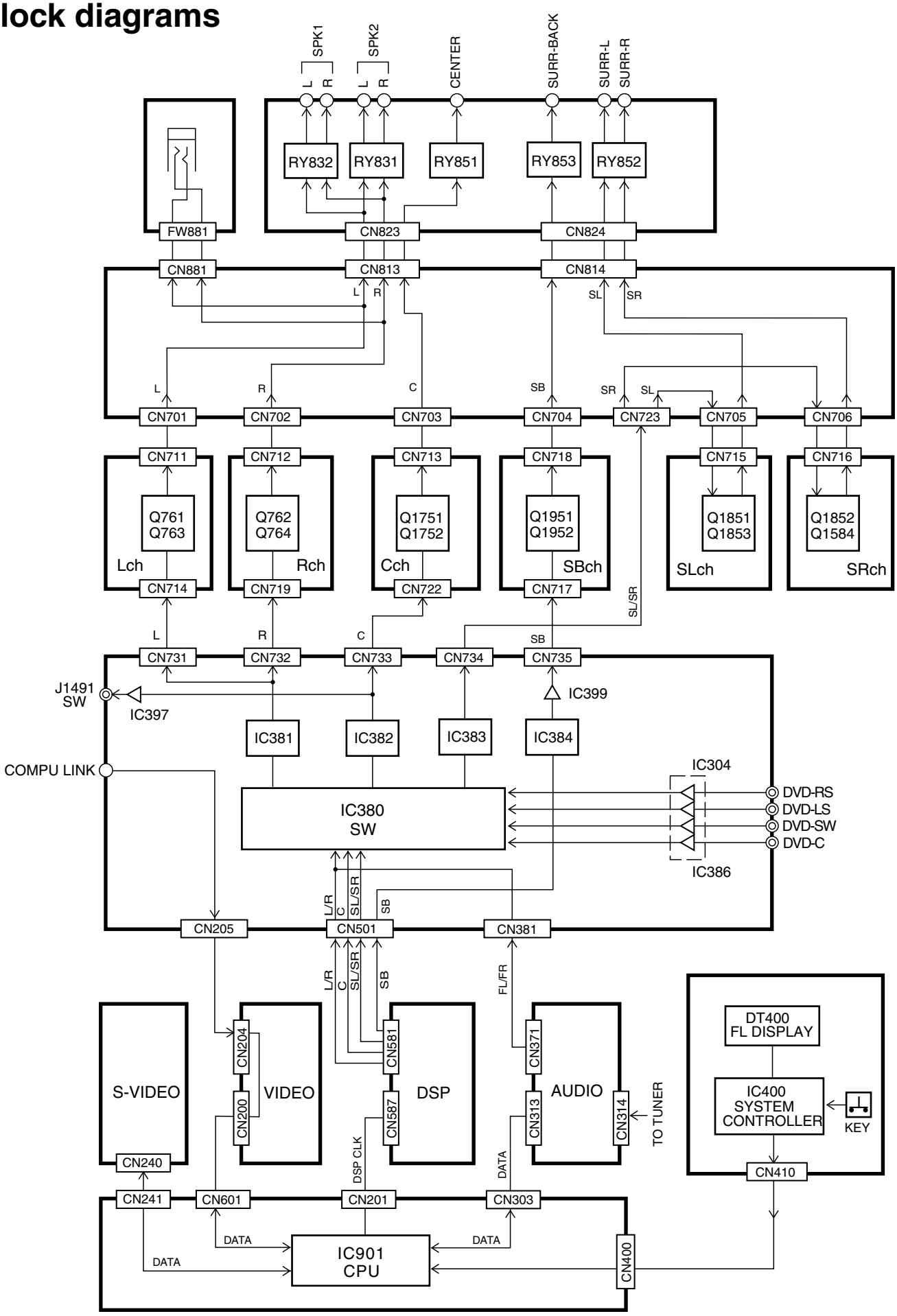
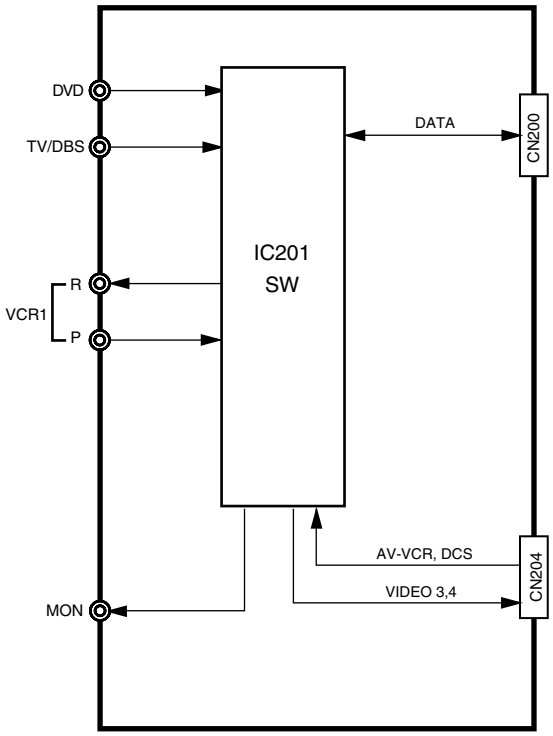
No.MB003SCH
2003/8

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (▬), diode (▬) and ICP (⬤) or identified by the "⚠" mark nearby are critical for safety.
(This regulation does not correspond to J and C version.)

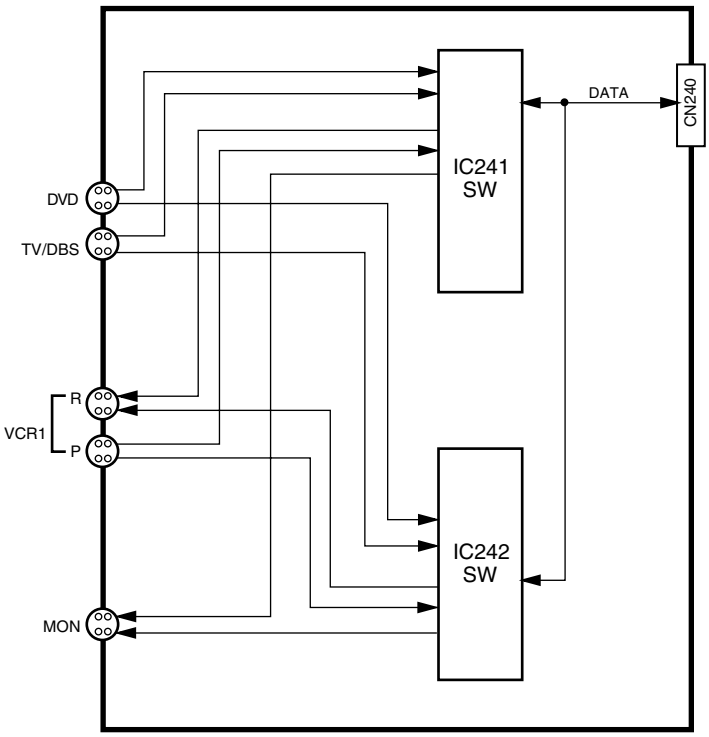
Block diagrams



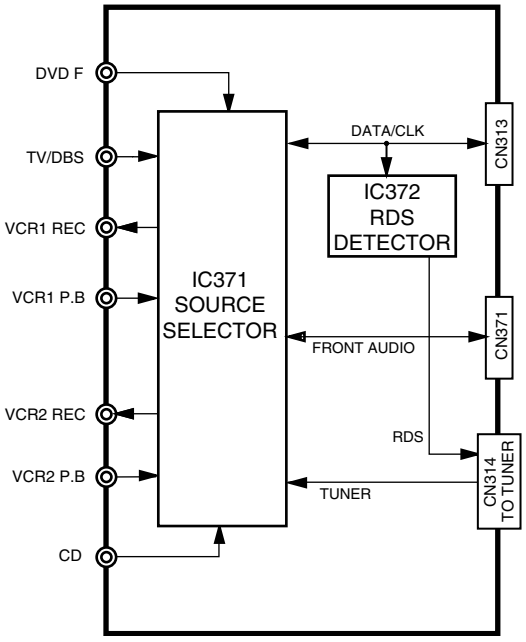
■ Video section



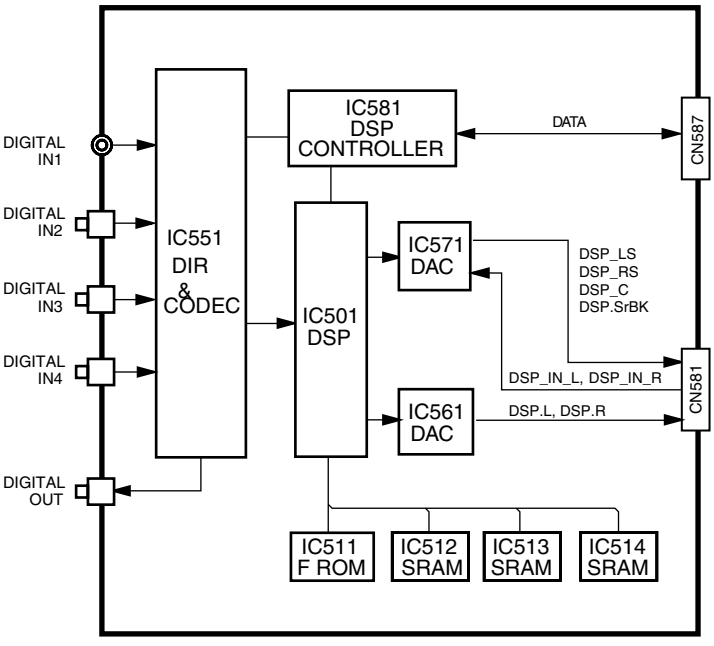
■ S-Video section



■ Audio signal input section

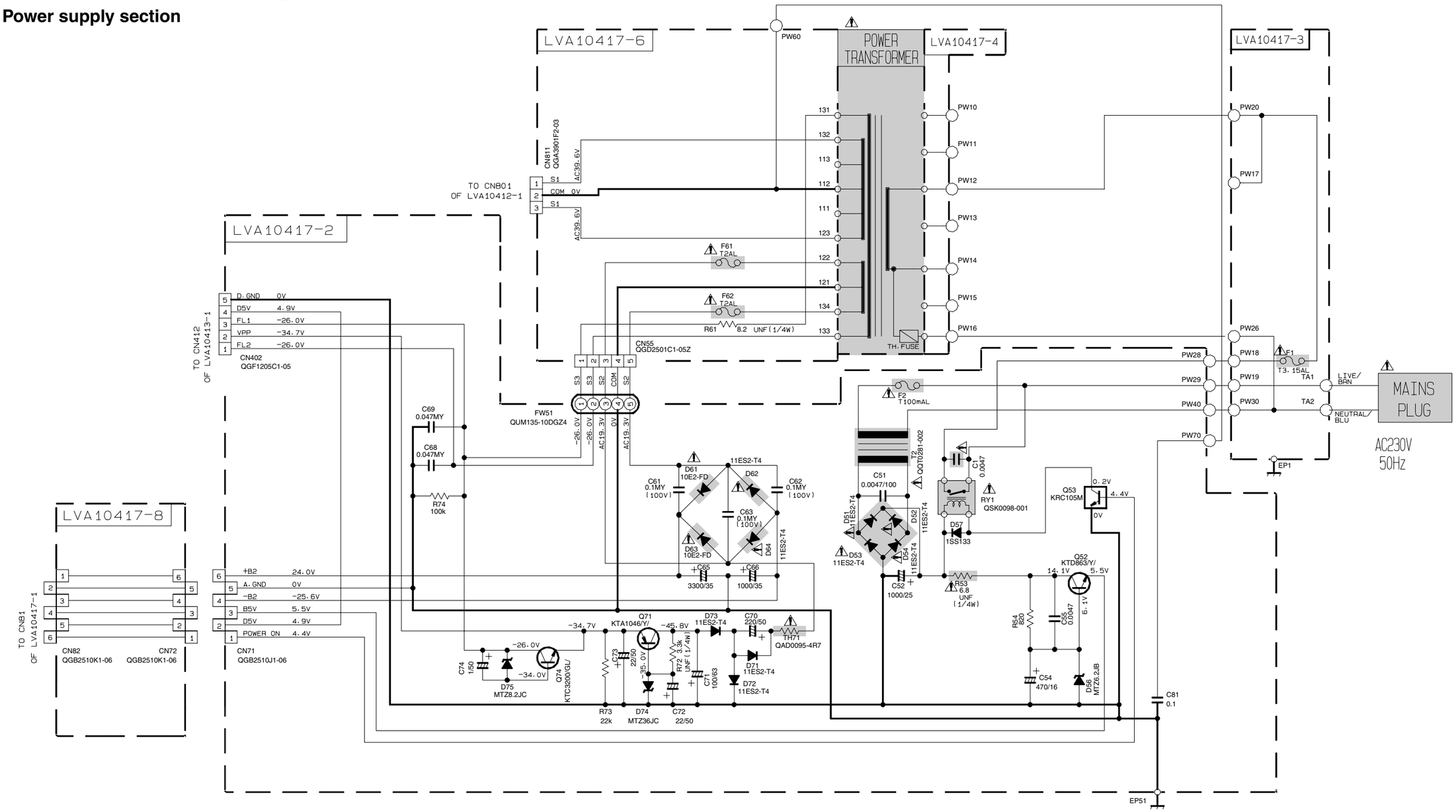


■ DSP section



Standard schematic diagrams

■ Power supply section



	USA	USA/EB	USA/EV	EN/UJ/US/UP/A
F1	QAF5161-003-J0	QAF5161-003-J0	QAF5161-003-J0	QAF5161-003-J0
F2	NONE	QAF5161-010-J0	QAF5161-010-J0	QAF5161-010-J0
F3	NONE	QAF5161-015-J0	NONE	NONE
F61/F62	QAF5161-02C-J0	QAF5161-02C-J0	QAF5161-02C-J0	QAF5161-02C-J0
SW1	NONE	USE	NONE	NONE
T2	9010281C001	9010281C004	9010281C004	9010281C002
D51	NONE	USE	USE	NONE
D55	NONE	USE	USE	NONE
R1	USE	NONE	NONE	NONE
RY1/RS2	NONE	USE	USE	NONE
RS1	5-3	6-5	6-5	6-5
C52	1000/25	470/63	470/63	1000/25
C53	NONE	USE	USE	NONE
C81	NONE	NONE	NONE	USE

VERSION CODES

- J : U.S.A.
- C : CANADA
- B : U.K.
- E : CONTINENTAL EUROPE
- EN : NORTHERN EUROPE
- EV : EASTERN EUROPE
- UJ : MILITARY
- US : SINGAPORE
- UP : KOREA
- A : AUSTRALIA

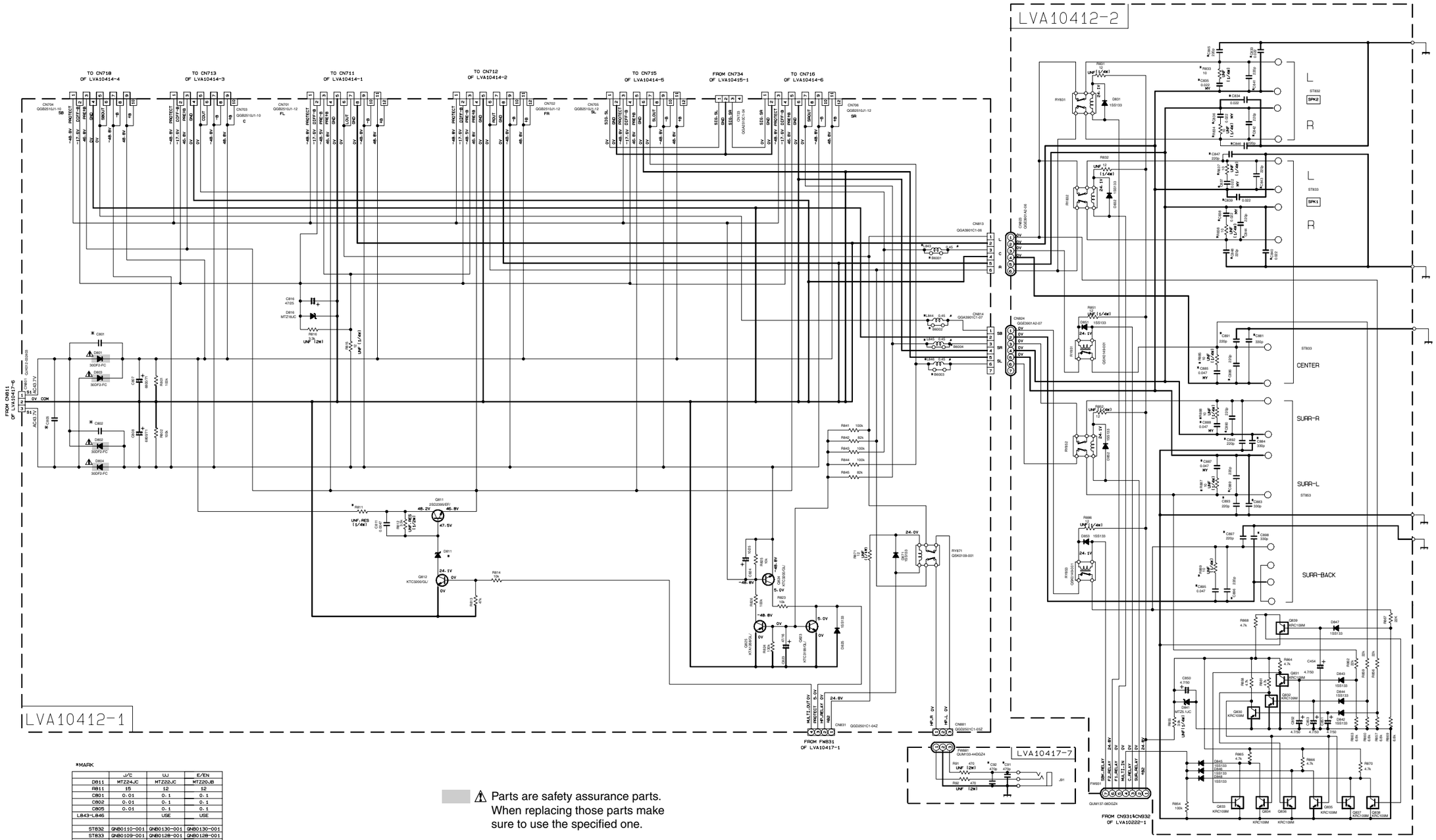
SHEET NUMBER	CIRCUIT DISCRIPTION
1/10	POWER SUPPLY
2/10	MAIN & SPEAKER TERMINAL
3/10	AUDIO AMP (FRONT CHANNEL)
4/10	AUDIO AMP (CENTER, SURR, S-BACK CHANNEL)
5/10	AUDIO SIGNAL INPUT
6/10	VIDEO/S-VIDEO SIGNAL INPUT
7/10	I/O
8/10	FRONT KEY/SYSTEM CONTROL
9/10	MICON
10/10	DSP

⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
   CONDITION ---- COLD START. POWER ON. FM. SURROUND OFF. VOL 30
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/6W ±5% CARBON RESISTOR.
   ALL CAPACITORS ARE 50V CERAMIC CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITANCE VALUES ARE IN uF(p=pF).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V).

SHEET 1/10

■ Main & Speaker terminal section



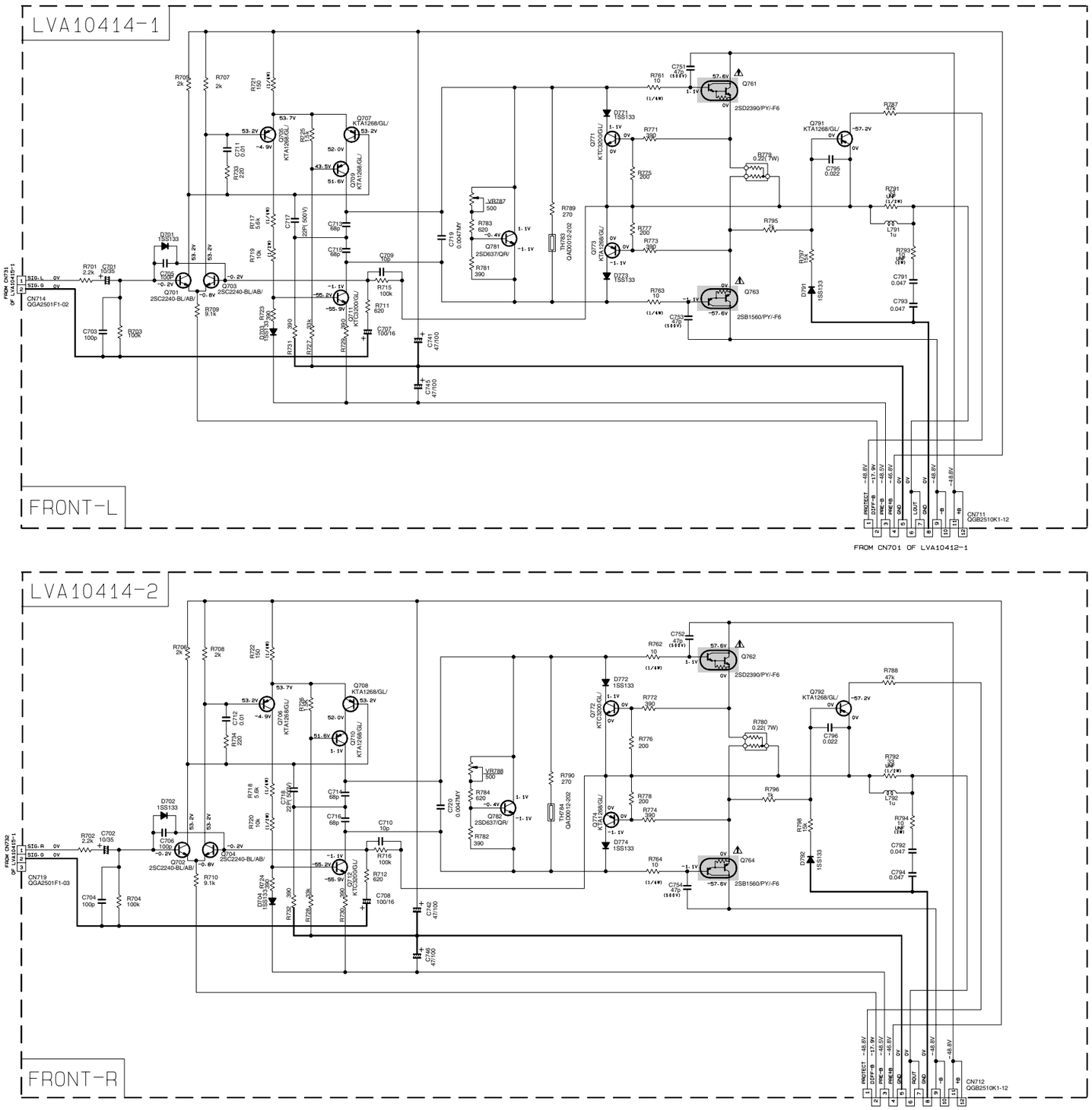
*MARK

	J/C	UJ	E/EN
D811	MTZ24JC	MTZ22JC	MTZ20JB
R811	15	12	12
C801	0.01	0.1	0.1
C802	0.01	0.1	0.1
C805	0.01	0.1	0.1
L843-L846		USE	USE
ST832	QNB0110-001	QNB0130-001	QNB0130-001
ST833	QNB0109-001	QNB0128-001	QNB0128-001
ST853	QNB0108-001	QNB0129-001	QNB0129-001
R833-R834		USE	USE
R837-R838		USE	USE
R895		USE	USE
R887-R889		USE	USE
C833-C848		USE	USE
C891		USE	USE
C883-C893		USE	USE
C895-C898		USE	USE
		USE	USE
C91- C92		USE	USE

⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

SHEET 2/10

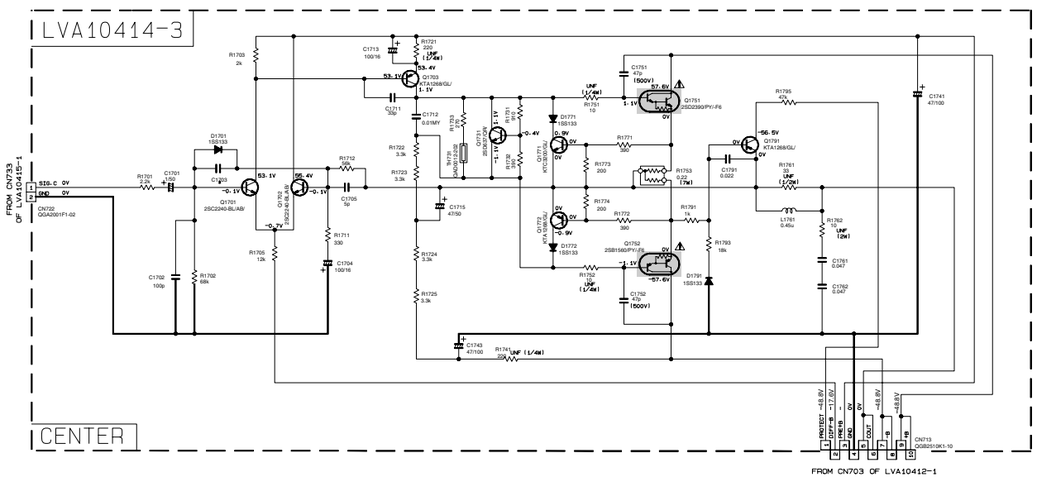
■ Audio amp. section (1/2)

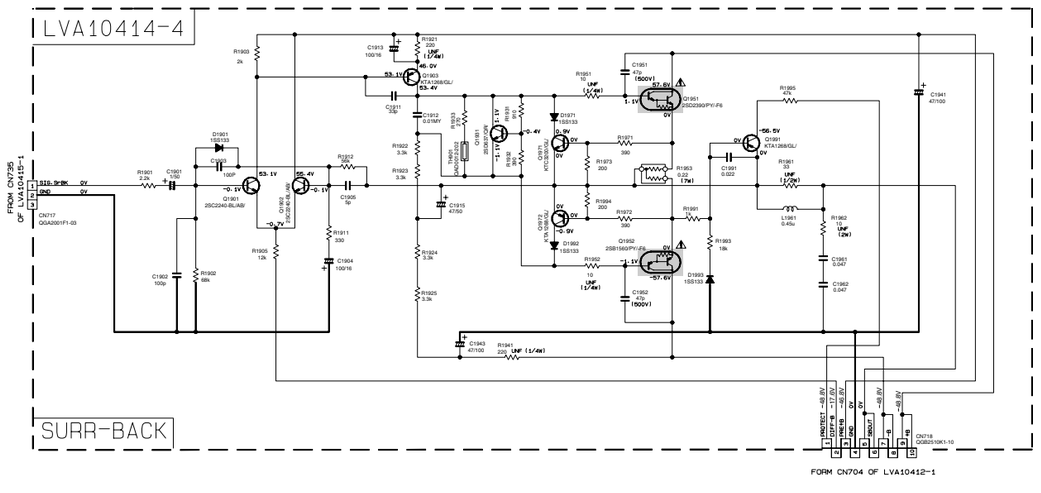


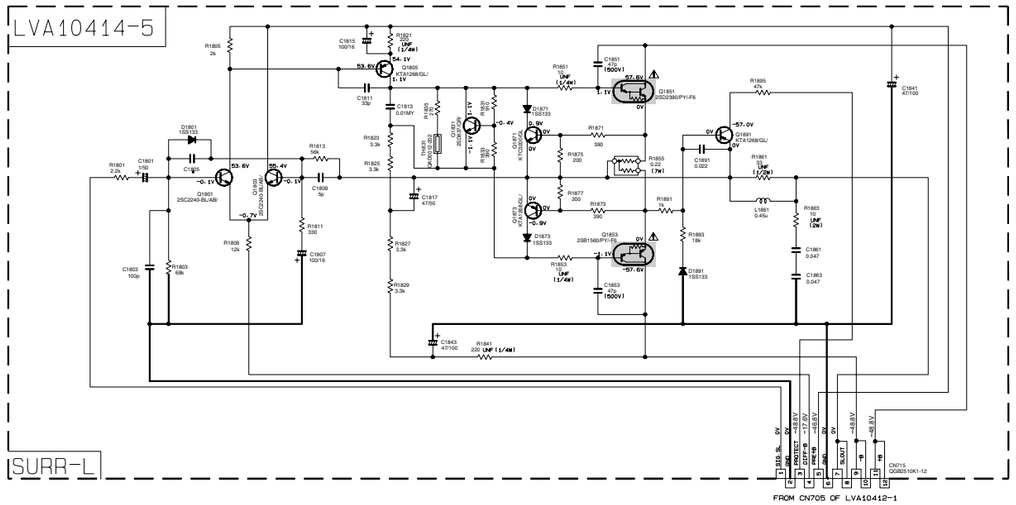
⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

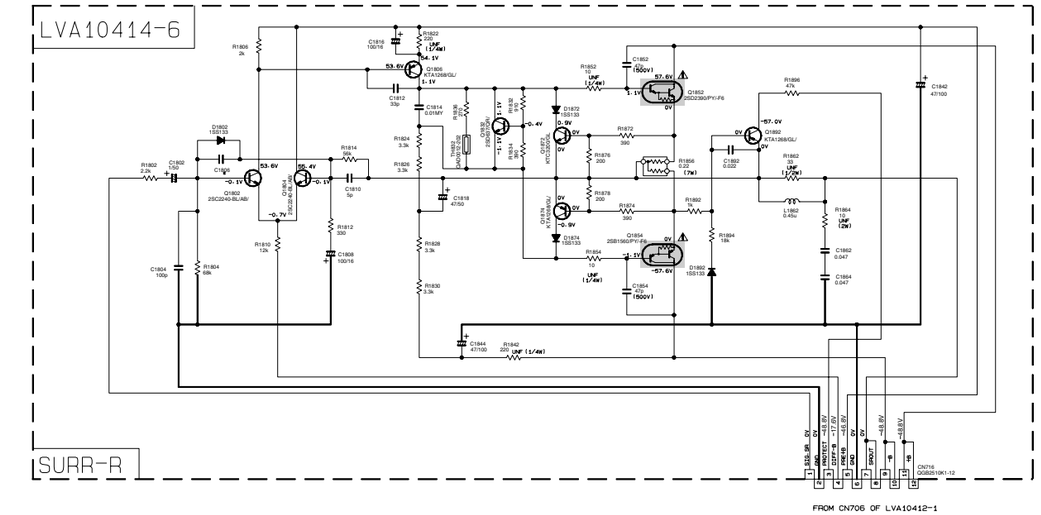
SHEET 3/10

■ Audio amp. section (2/2)









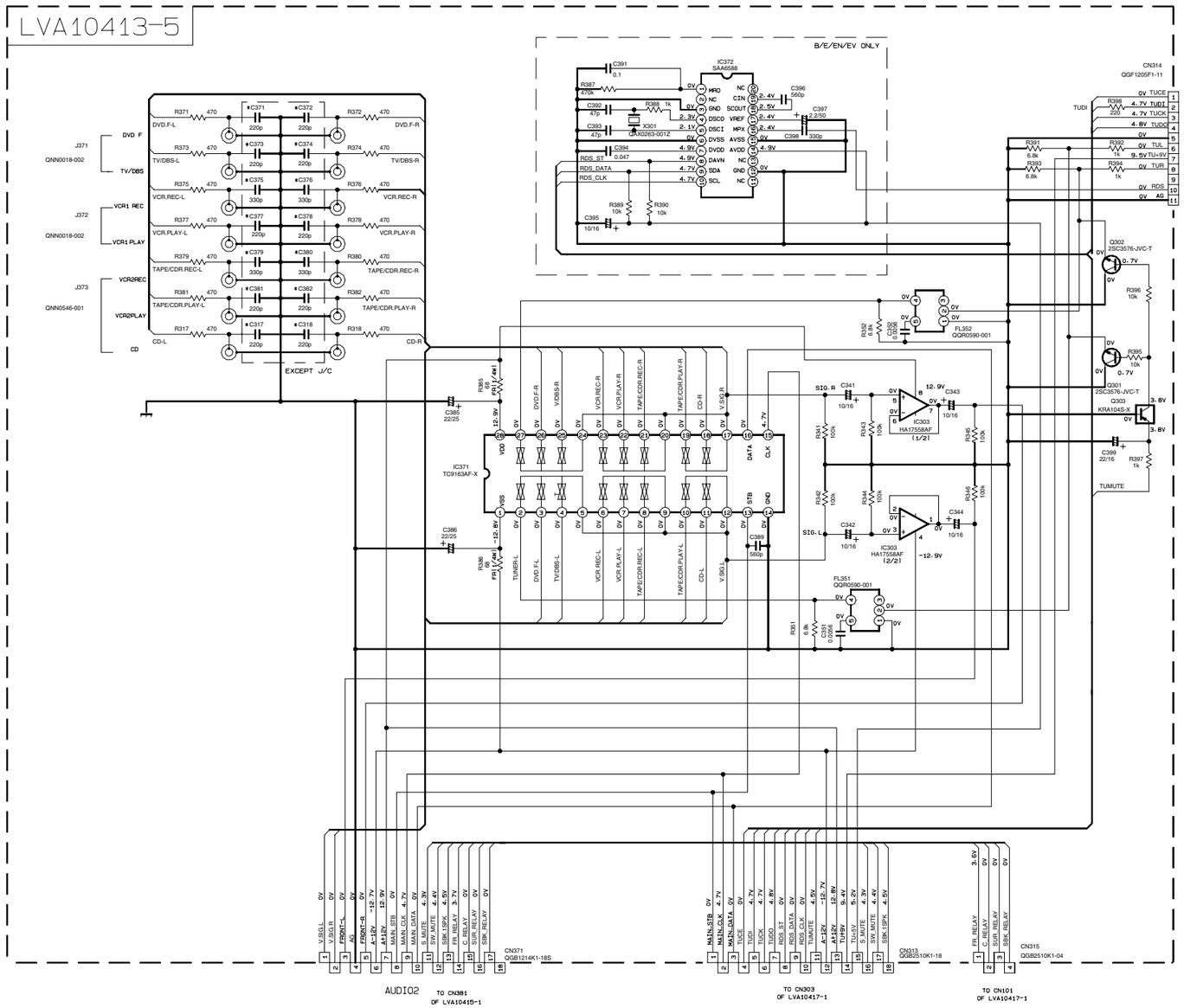
⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

*MARK

	J/C	EXCEPT J/C
C1703· C1805· C1806	100p	220p

SHEET 4/10

■ Audio signal input section



AUDIO I/O

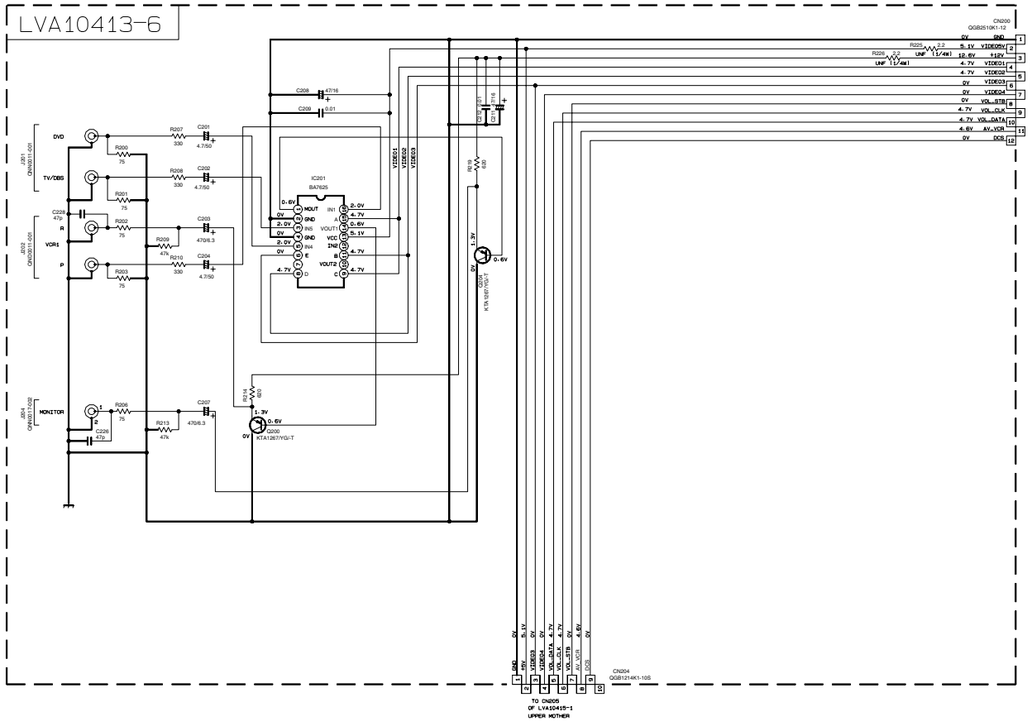
	J/C	EXCEPT J/C
C317-C318	NONE	USE
C371-C382	NONE	USE

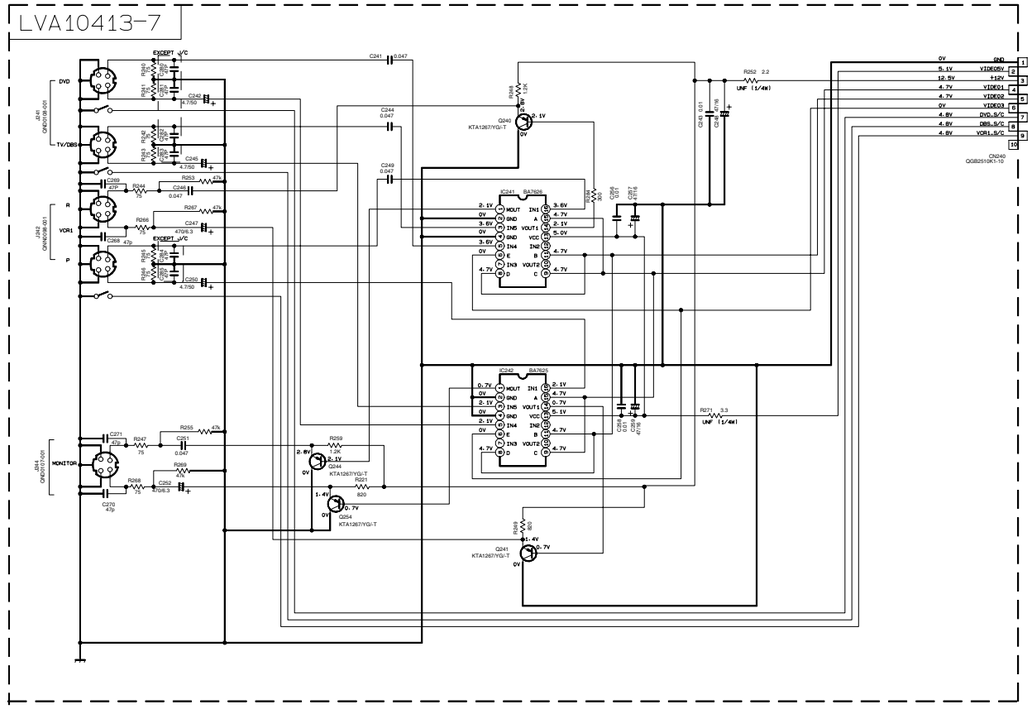
RDS

	B/E/EN/EV	EXCEPT B/E/EN/EV
IC372	USE	NONE
R387-R390	USE	NONE
C391-C398	USE	NONE
X301	USE	NONE

SHEET 5/10

■ Video & S-Video signal input section

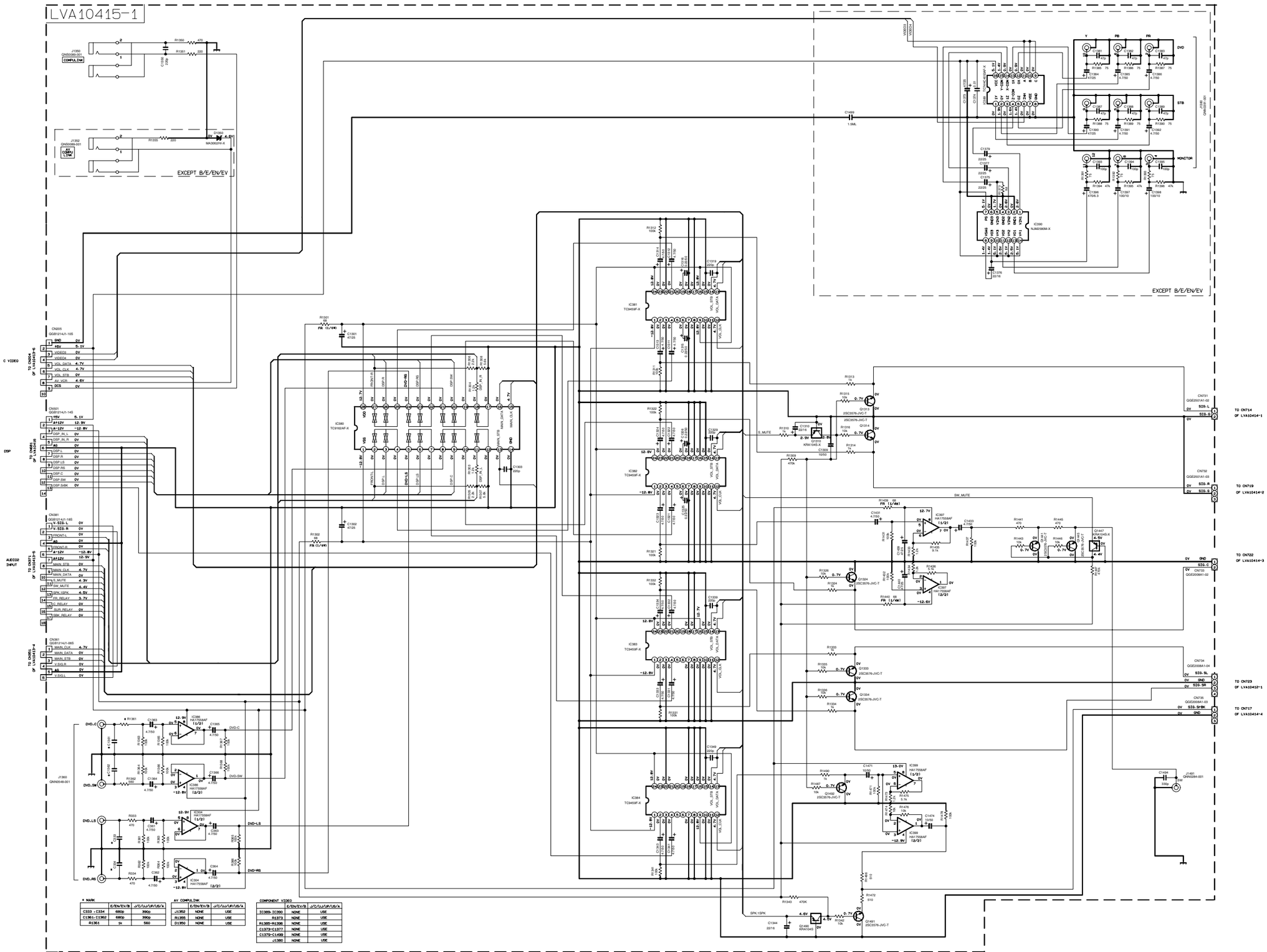




	J/C	EXCEPT J/C
C280–C295	NONE	USE

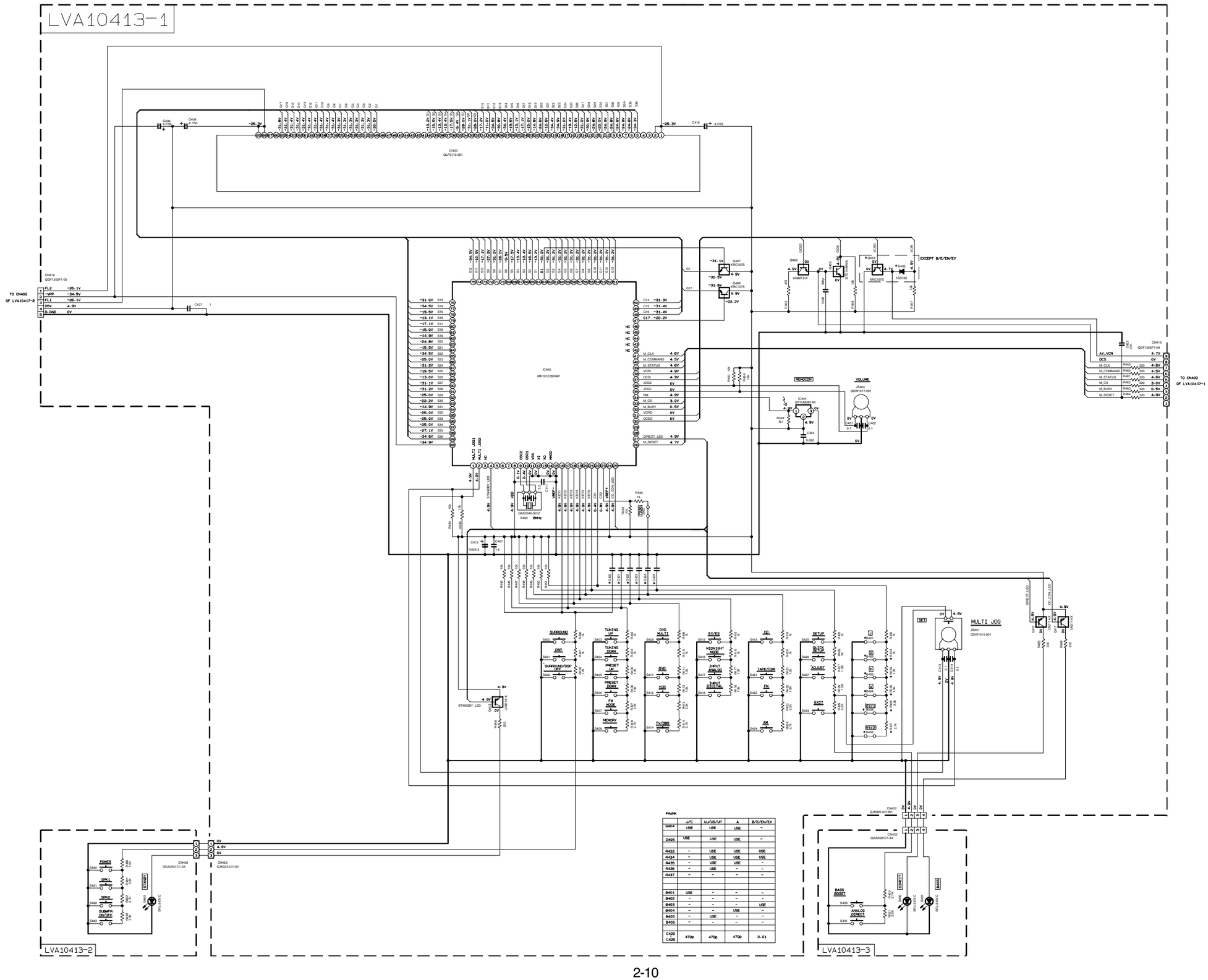
SHEET 6/10

■ I/O section



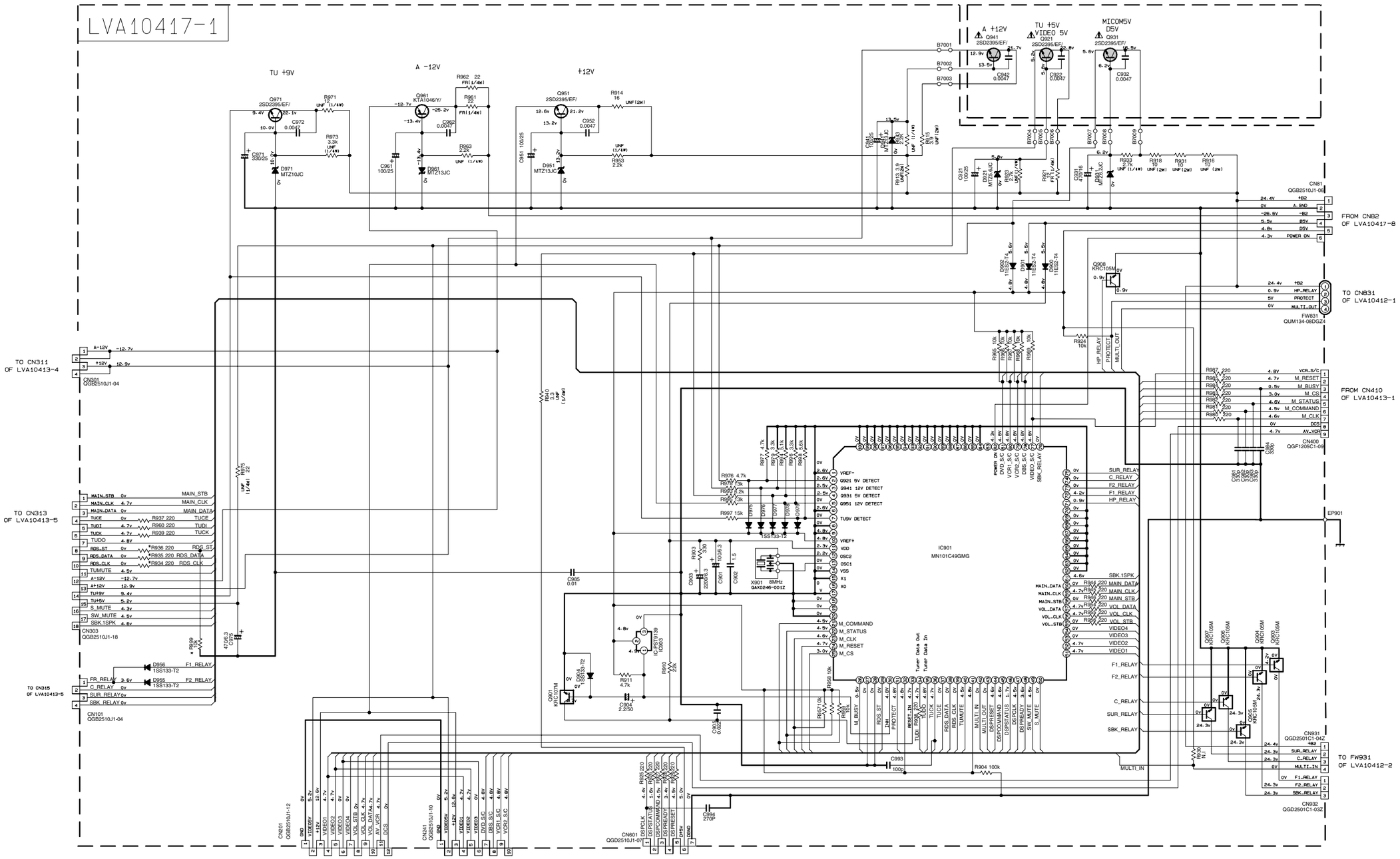
SHEET 7/10

■ Front key & System control section



	J/C	UJ/US/UP	A	B/E/EN/EV
Q404	USE	USE	USE	–
Q405	USE	USE	USE	–
R433	–	USE	USE	USE
R434	–	USE	USE	USE
R435	–	USE	USE	–
R436	–	USE	–	–
R437	–	–	–	–
B401	USE	–	–	–
B402	–	–	–	–
B403	–	–	–	USE
B404	–	–	USE	–
B405	–	USE	–	–
B406	–	–	–	–
C420 to C425	470p	470p	470p	0.01

■ Micon section



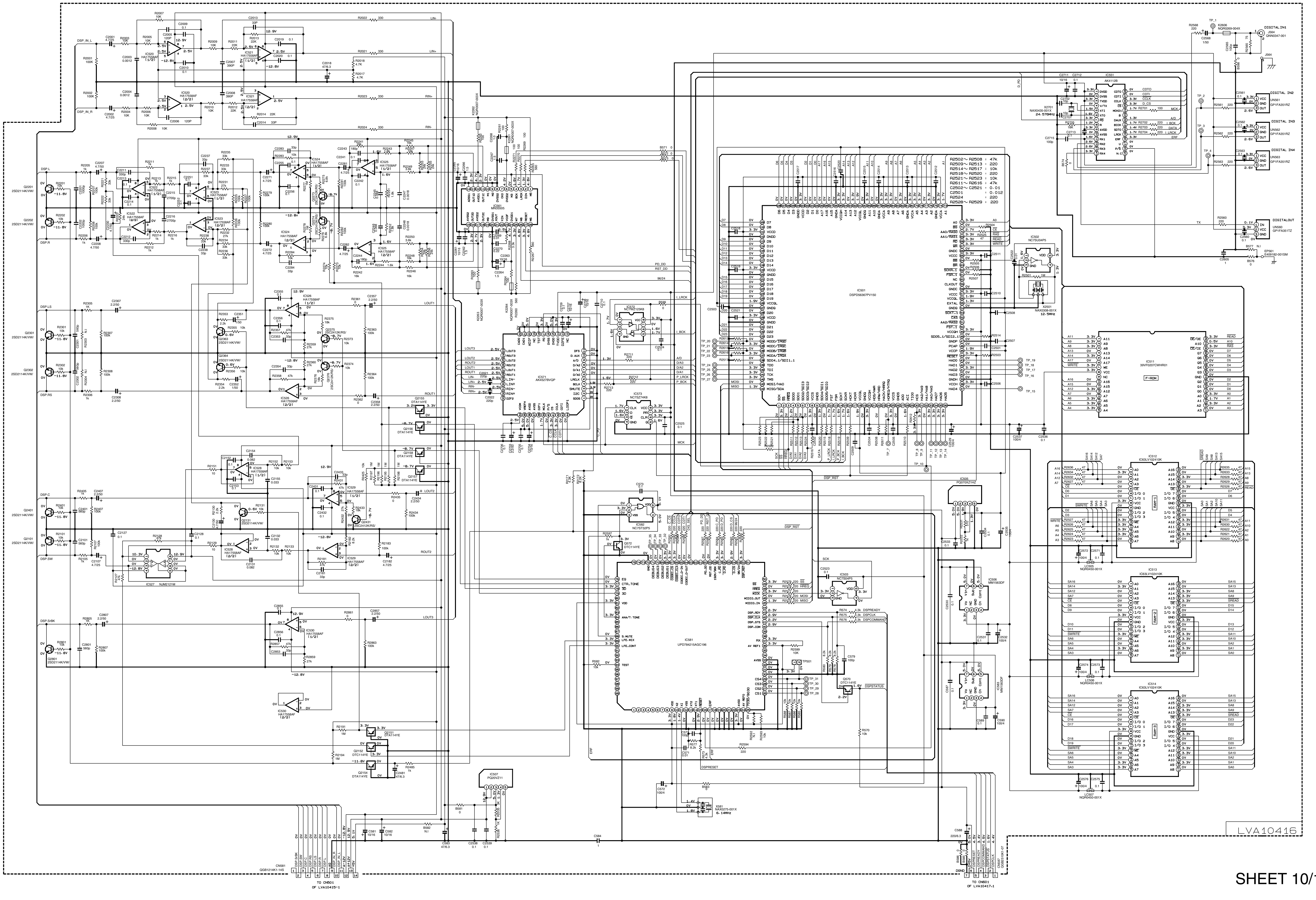
*MARK

	J/C	UJ/US/UP/A	B/E/EN/EV
R999	USE	USE	NONE
R934	NONE	NONE	USE
R935	NONE	NONE	USE
R936	NONE	NONE	USE

⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

SHEET 9/10

■ DSP section

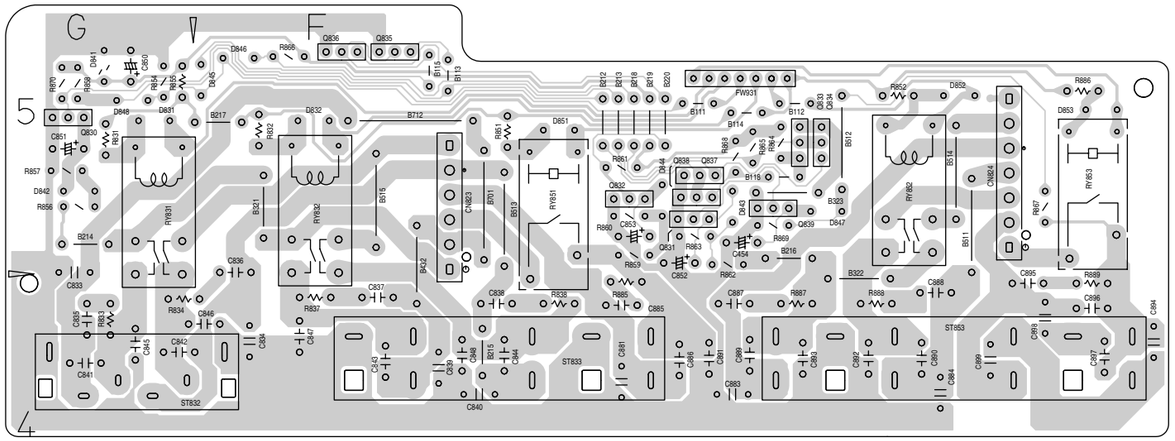


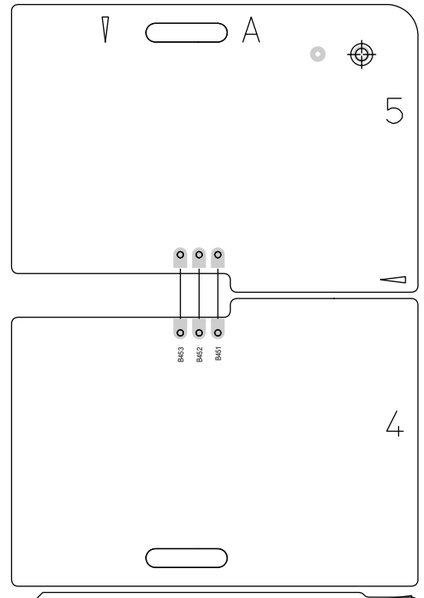
SHEET 10/10

Printed circuit boards

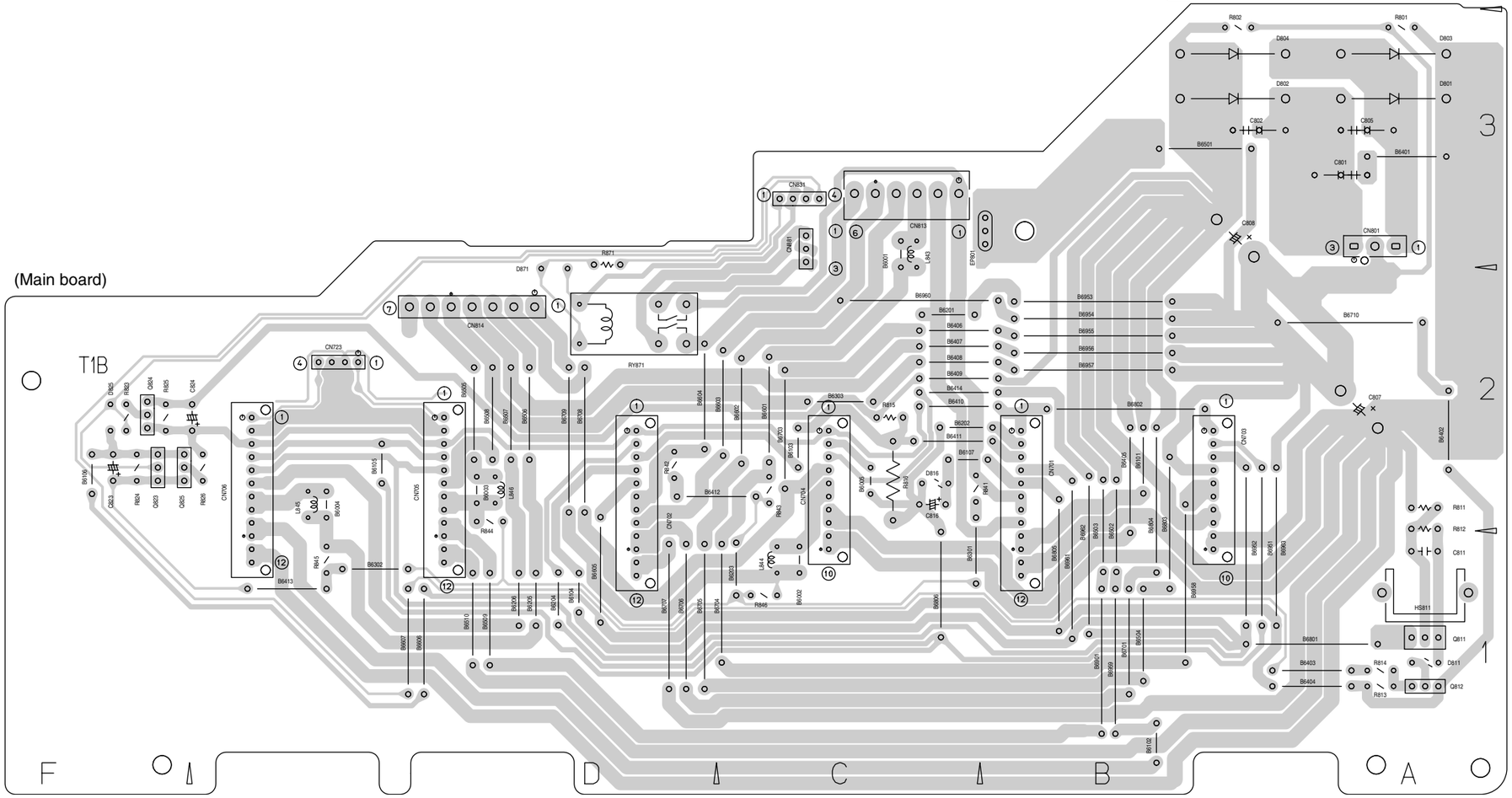
■ Main board

(Speaker board)



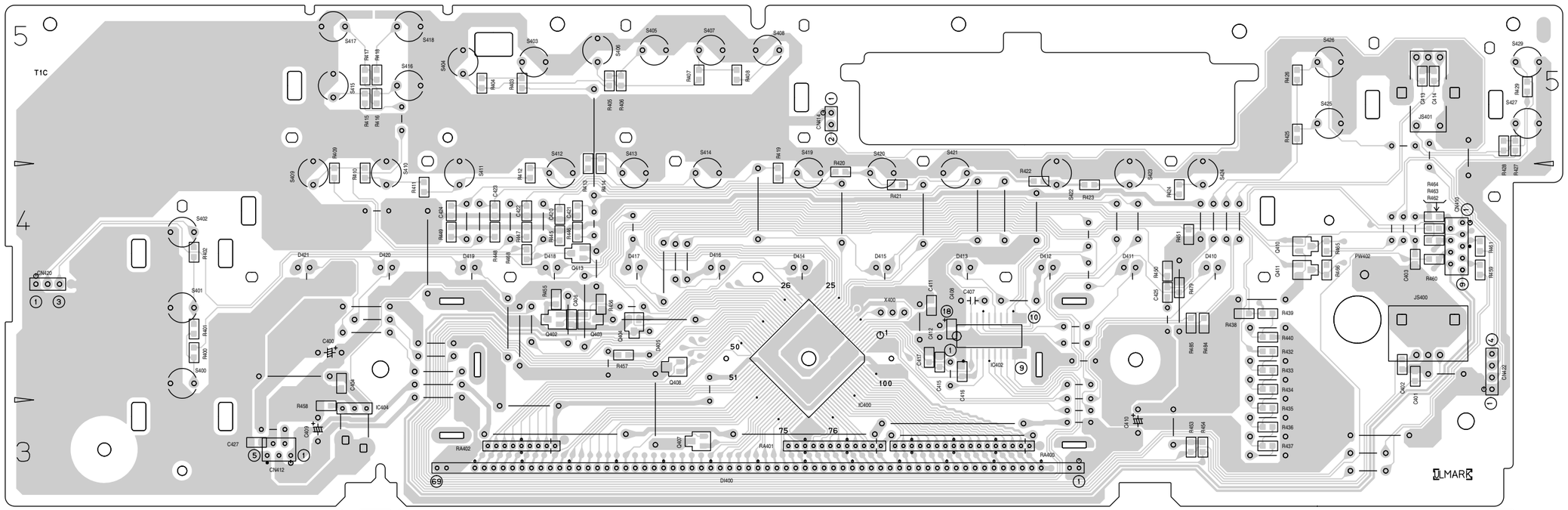


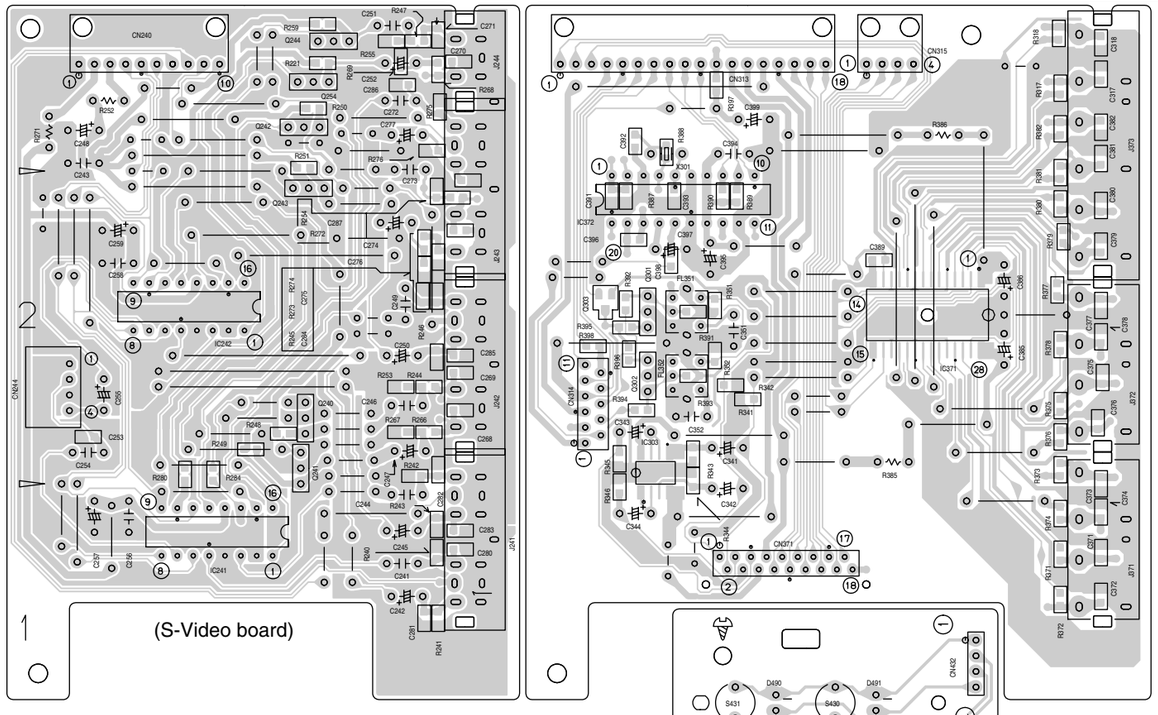
(Main board)



■ Front board

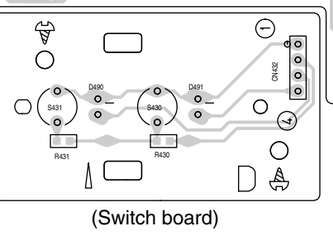
(Front key & System control board)





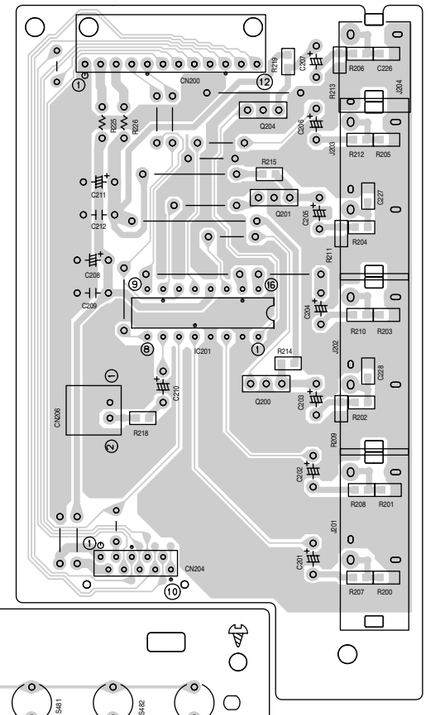
(S-Video board)

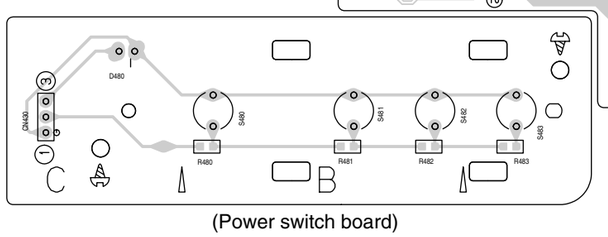
(Audio board)



(Switch board)

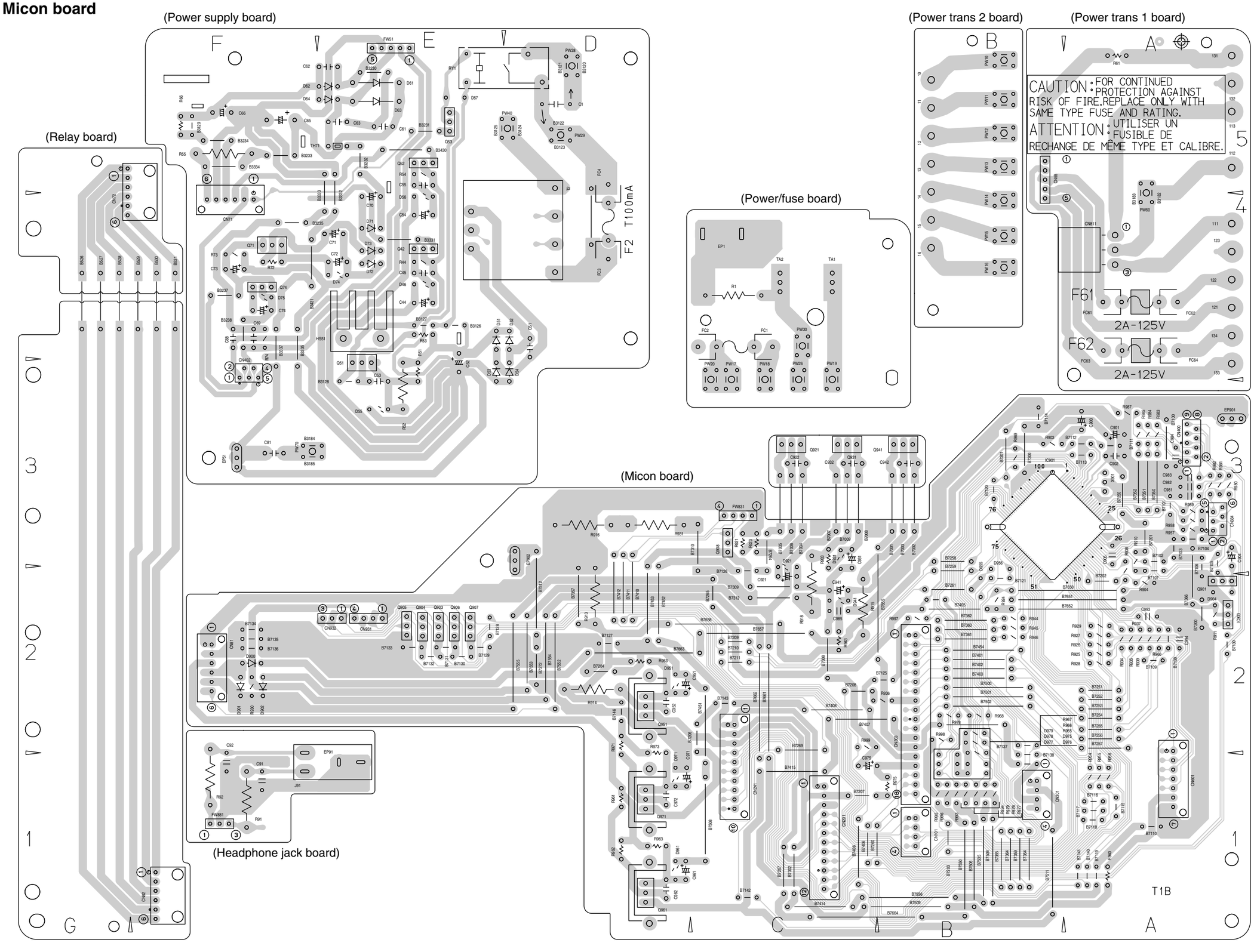
(Video board)





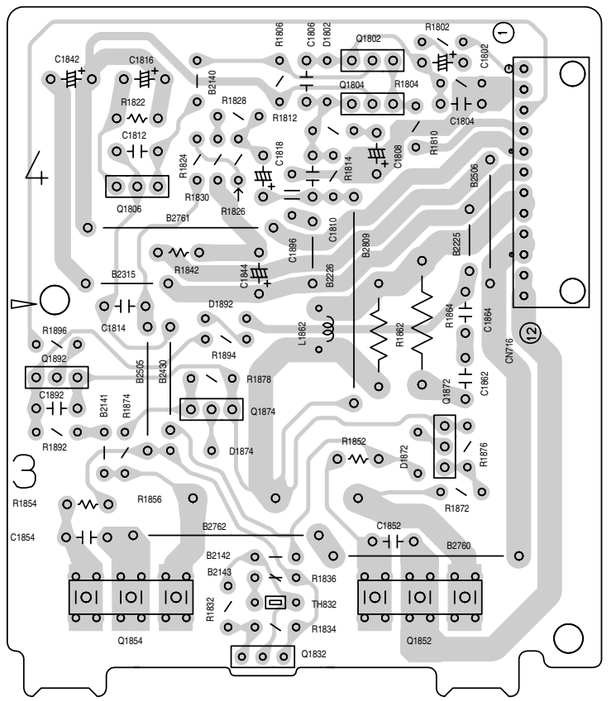
(Power switch board)

■ Micon board

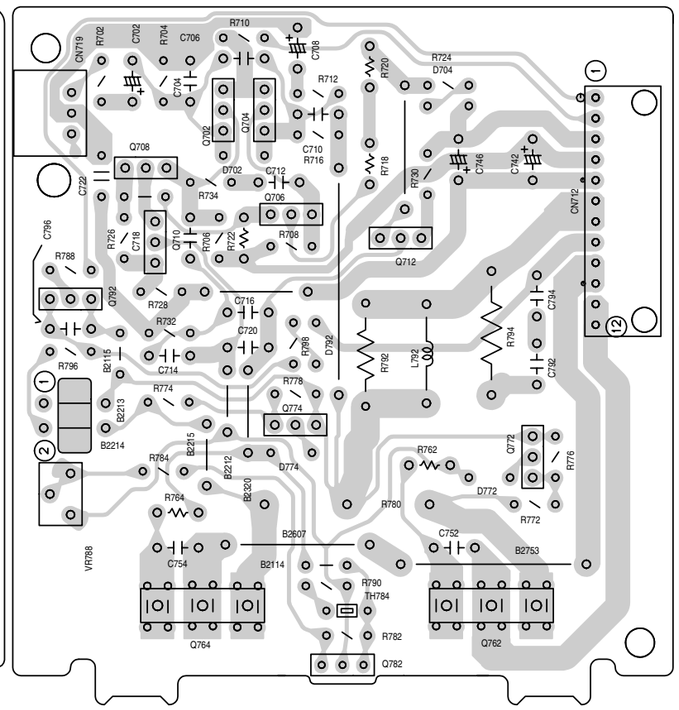

(Power supply board)
(Relay board)
(Power trans 2 board)
(Power trans 1 board)
(Power/fuse board)
(Micon board)
(Headphone jack board)
CAUTION • FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE FUSE AND RATING.
ATTENTION • UTILISER UN FUSIBLE DE RECHANGE DE MÊME TYPE ET CALIBRE.
F61
2A-125V
F62
2A-125V
F2 T100mA
T1B

■ Power board

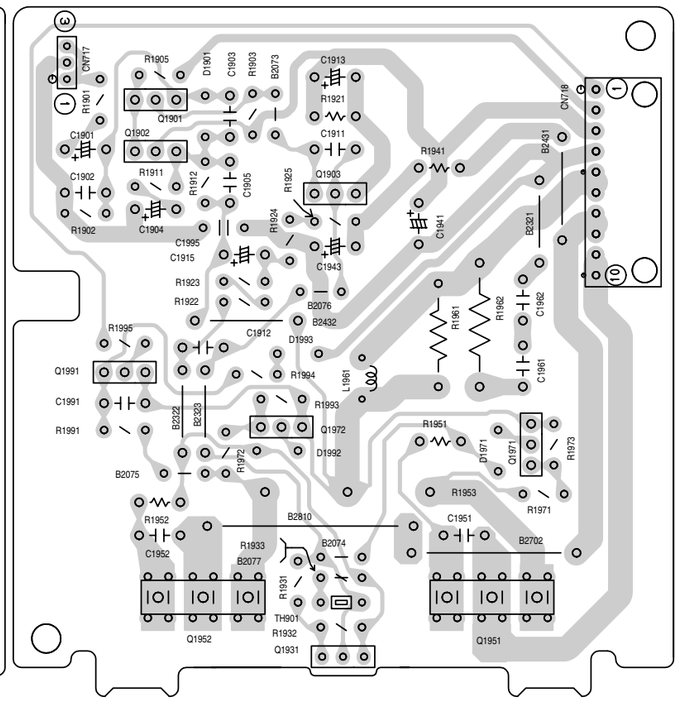
(Surround board [R])



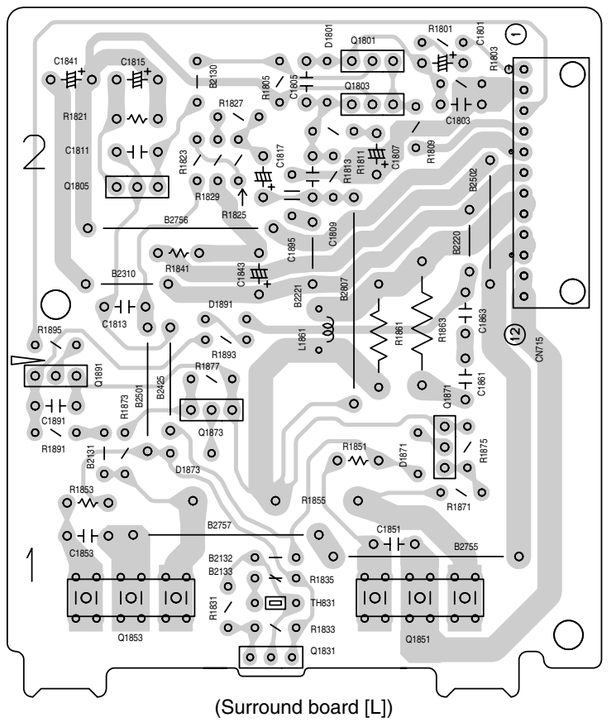
(Front board [L])



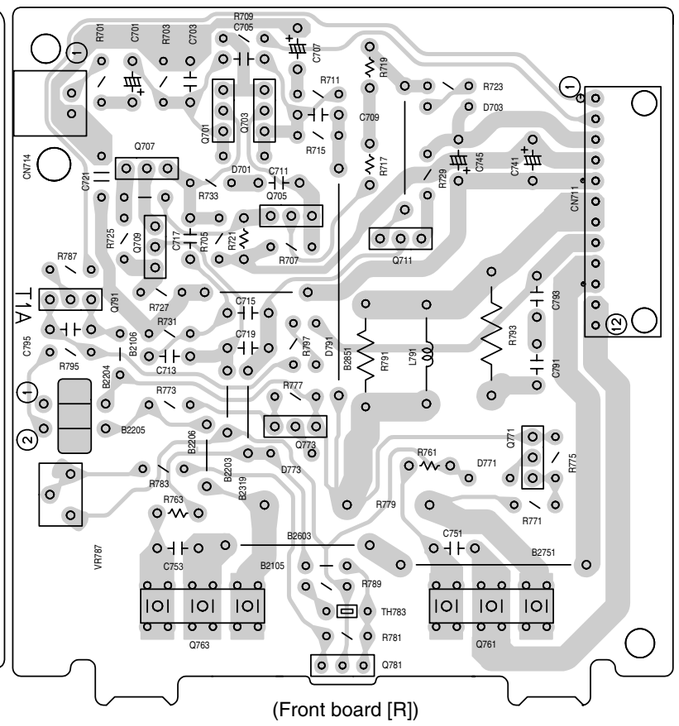
(Surround back board)



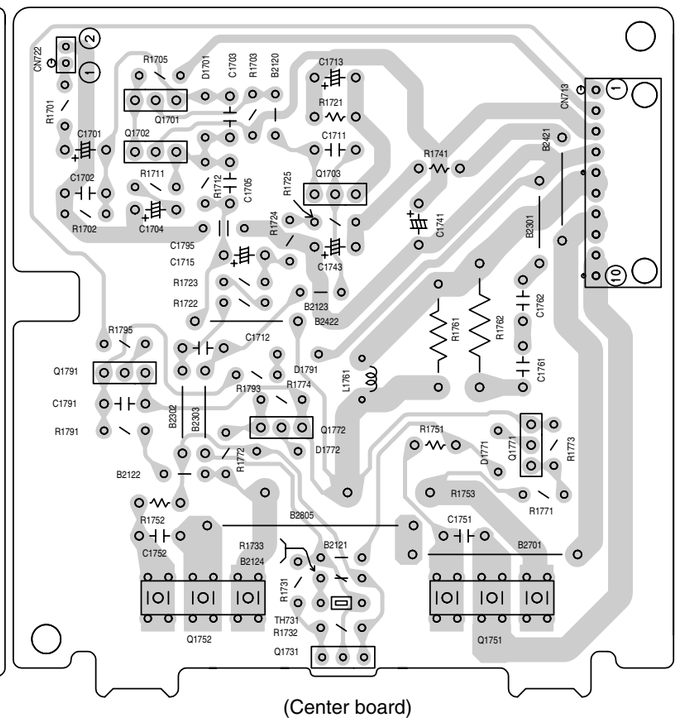
(Surround board [L])



(Front board [R])

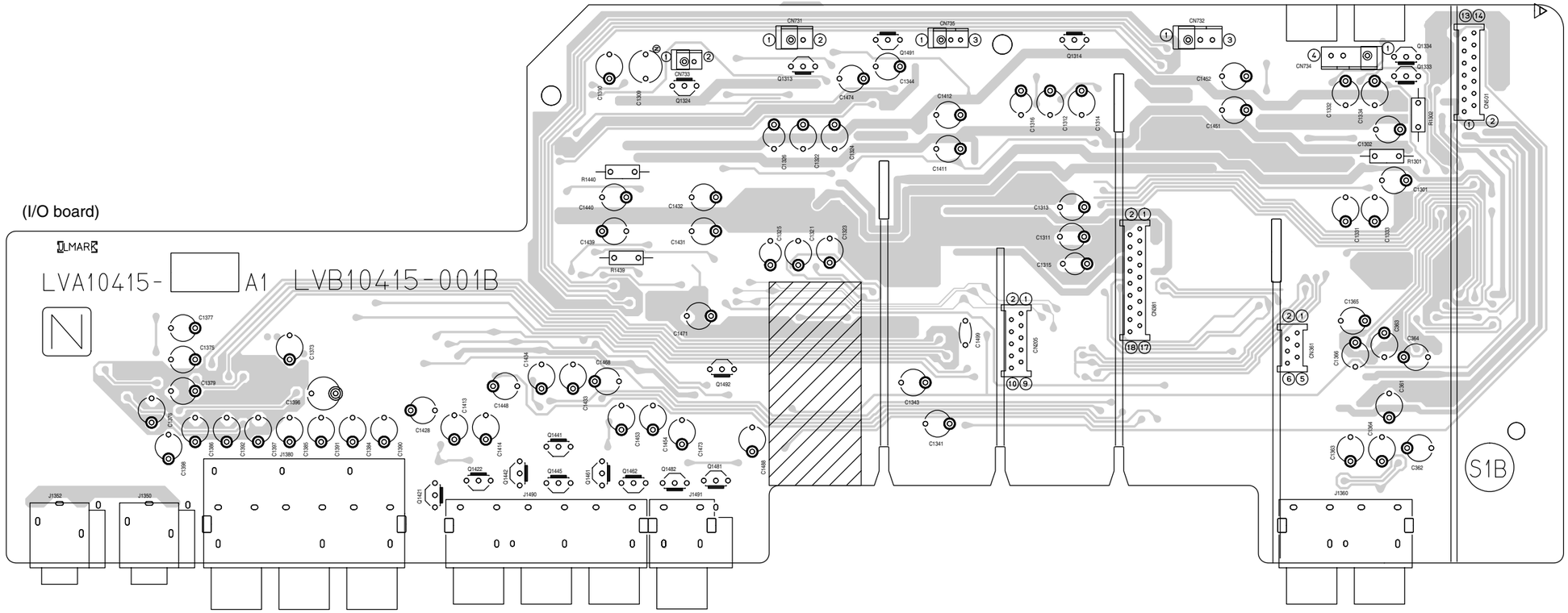


(Center board)

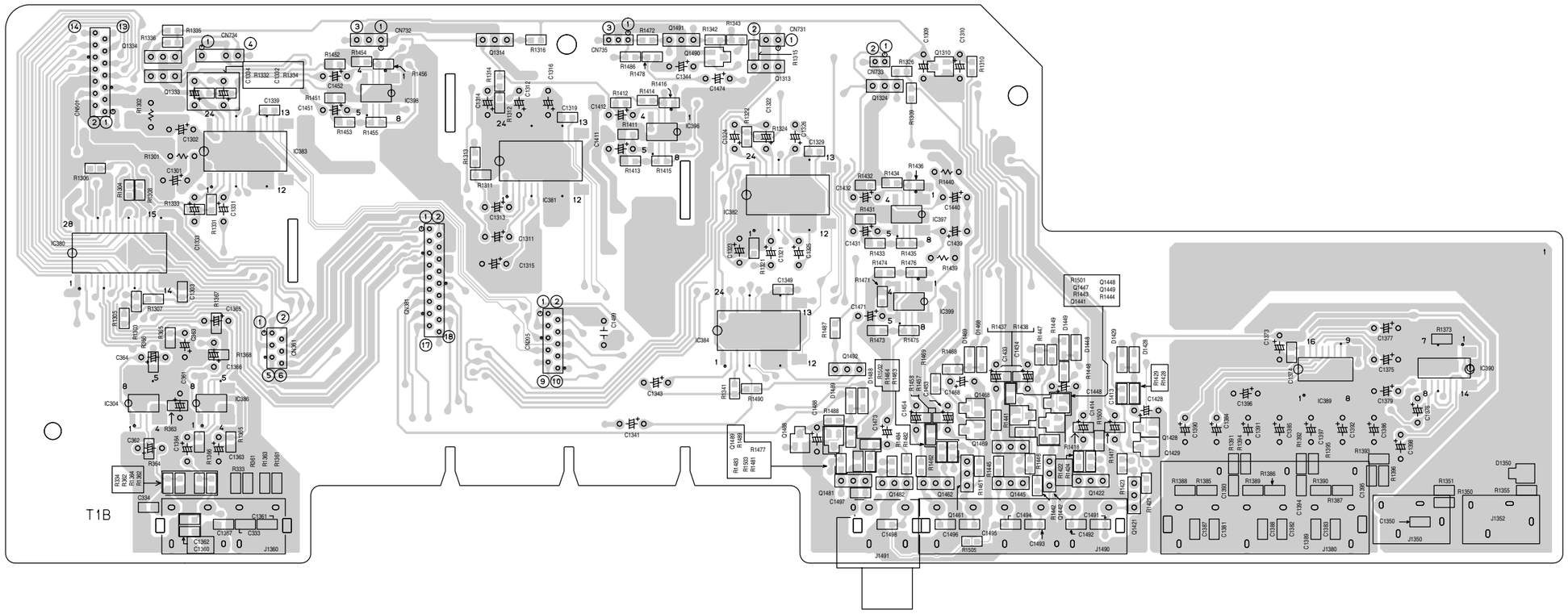


■ Input board

Forward side

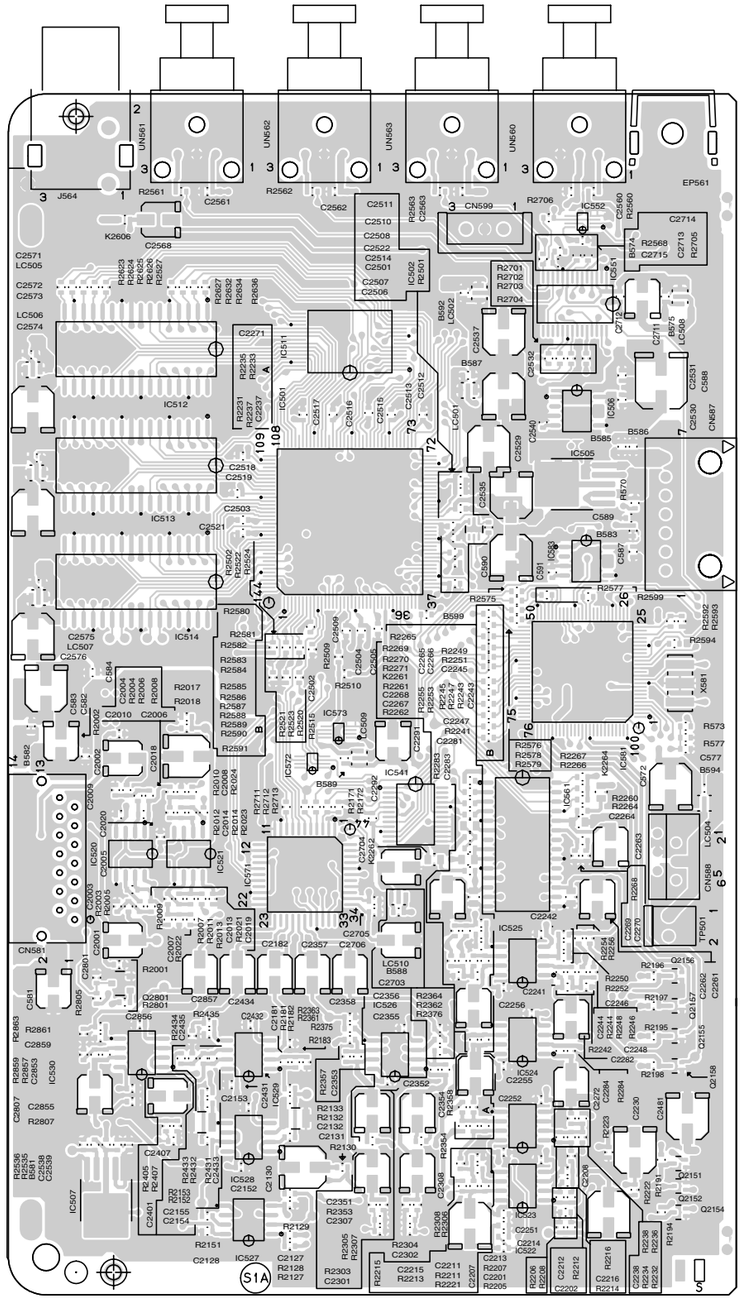


Reverse side

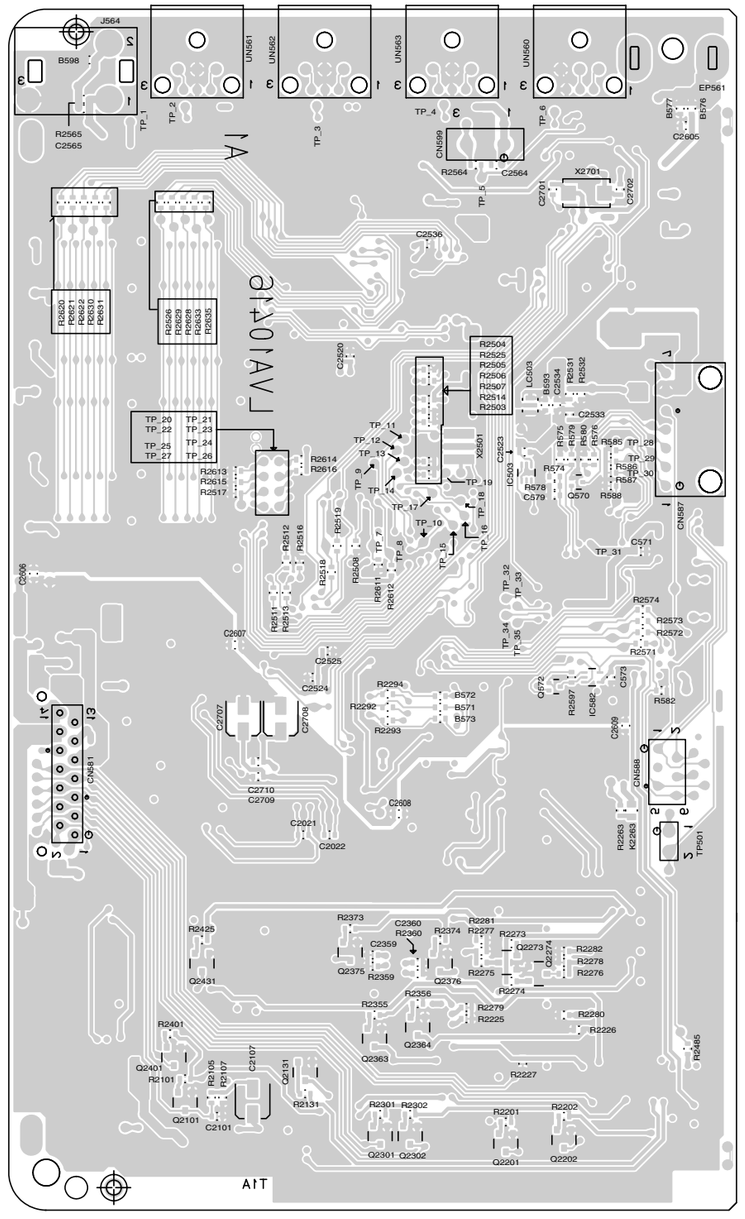


■ DSP board

Forward side



Reverse side



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(No.MB003SCH)

Printed in Japan
2003/8